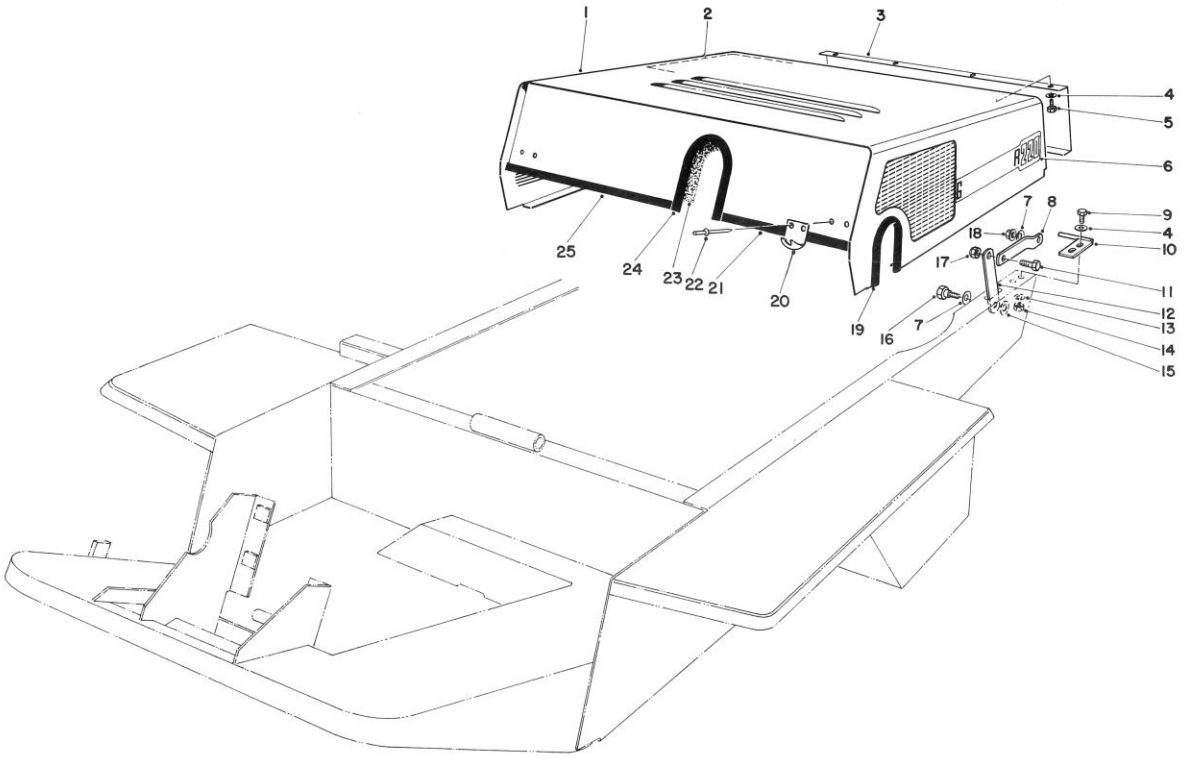
FORM NO. 3313-575

TORO®

MODEL NO. 30798 — 90001 & UP
MODEL NO. 30564 — 90001 & UP
MODEL NO. 30555 — 90001 & UP
MODEL NO. 30568 — 90001 & UP
MODEL NO. 30575 — 90001 & UP

PARTS CATALOG

GROUNDSMASTER® 220



T-0702-89

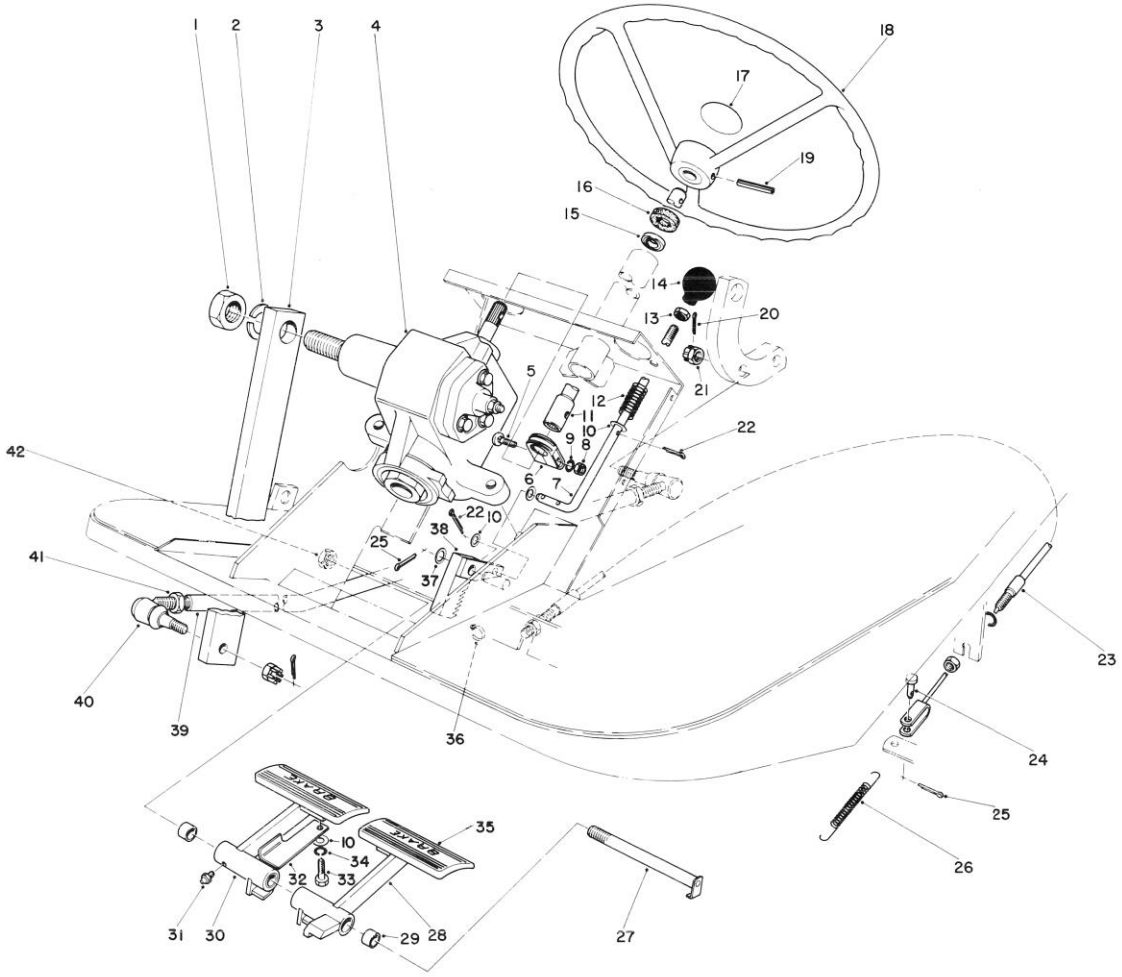
HOOD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	12-5869	Hood	1
2	44-9040	Foam Strip — Hood (Rear)	1
3	44-8830	Grille — Rear Panel	1
4	3256-22	Washer	12
5	32140-16	Screw — Self Tapping Hex. Hd.	8
6	52-1470	Decal — Groundsmaster 220	2
7	3290-211	Washer — Lock Spring	4
8	27-6800	Link — Hood	2
9	321-4	Capscrew	4
10	27-4830	Pivot Pin L.H.	1
*	27-4800	Pivot Pin R.H.	1
11	3211-27	Screw — Cap Hex. Hd.	2
12	27-6810	Tie — Hood	2

Ref. No.	Part No.	Description	No. Used
13	3253-3	Washer — Lock Spring	4
14	3217-5	Nut — Hex	4
15	4-2390	Washer	2
16	19-1470	Shoulder Screw	2
17	3296-5	Nut — Lock	2
18	32128-19	Nut — Flange	2
19	44-9190	Hood Trim	1
20	249-40	Reverse Keeper	2
21	46-3320	Hood Trim	1
22	3296-16	Rivet — Pop	4
23	44-9030	Foam Strip — Hood (Front)	1
24	38-4070	Hood Trim	1
25	38-4080	Hood Trim	1

*Not Illustrated

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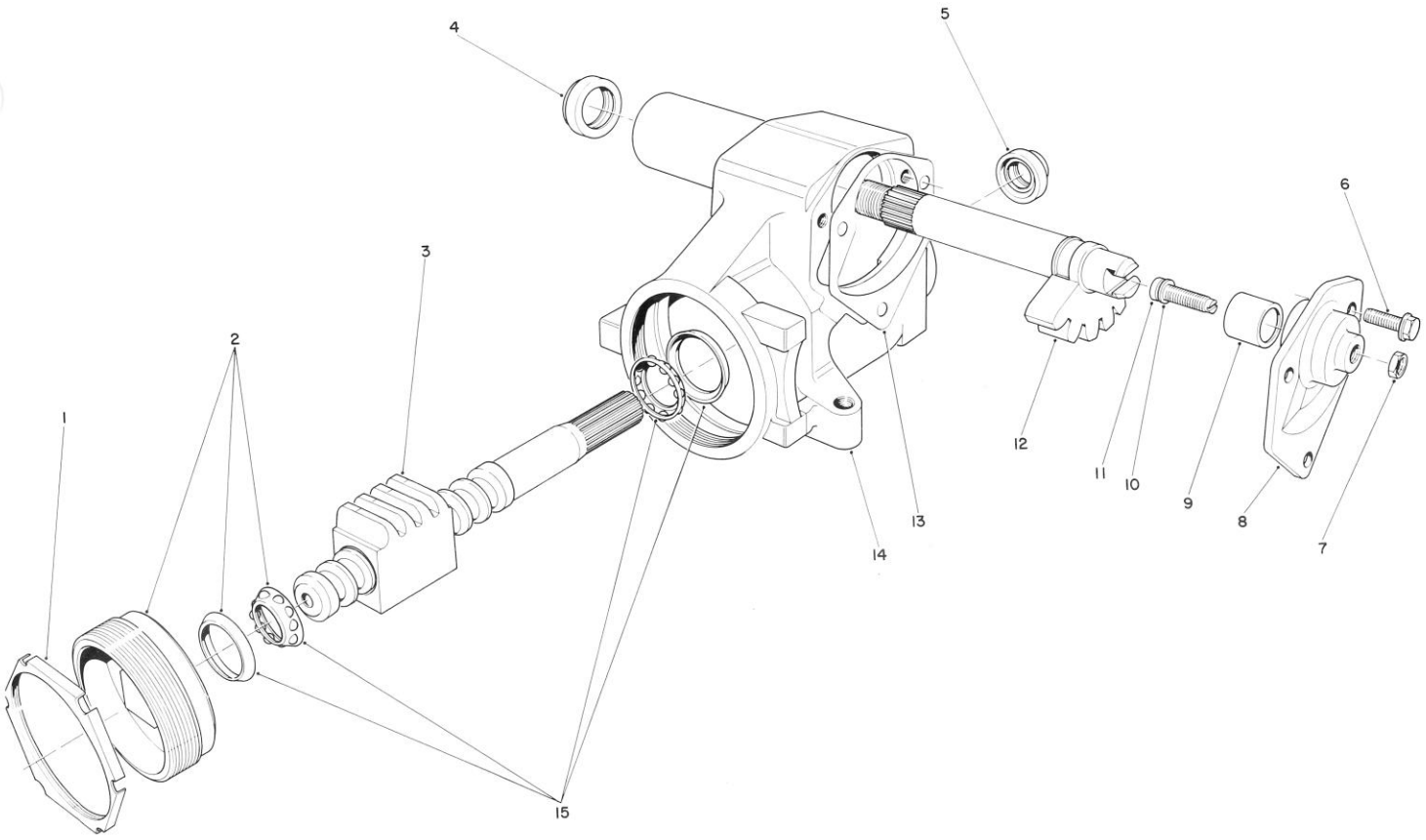
T-0703-89

PEDALS AND STEERING WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3220-8	Nut	1
2	3253-28	Lockwasher	1
3	41-8880	Arm – Gear Box	1
4	41-8820	Steering Gear Assembly (Incl. Ref. #1 & 2)	1
5	3232-16	Bolt – Carriage	1
6	41-8830	Clamp – Coupling	1
7	27-3550	Rod – Brake Latch	1
8	3217-8	Nut – Hex	1
9	3253-6	Washer – Lock, Spring	1
10	3256-22	Washer – Plain Flat	4
11	41-8840	Steering Shaft	1
12	3-3251	Spring	1
13	3217-5	Nut – Hex	1
14	233-17	Knob	1
15†	251-275	Bearing – Ball	1
16	21-9260	Dust Cover	1
17	24-2090	Cap – Steering Wheel	1
18	25-6260	Steering Wheel	1
19	32121-10	Pin – Roll	1
20	3272-7	Cotter Pin	2
21	32136-4	Slotted Nut	2
22	3272-5	Pin – Cotter	3

Ref. No.	Part No.	Description	No. Used
23	21-3370	Brake Cable Assembly	2
24	283-58	Pin – Clevis	2
25	3272-10	Pin – Cotter	3
26	3-7243	Spring – Return	2
27	42-2540	Pin – Brake	1
28	41-8810	Brake Pedal L.H. (Incl. Ref. #29 & 31)	1
29	256-42	Bushing	4
30	41-8800	Brake Pedal R.H. (Incl. Ref. #29 & 31)	1
31	302-5	Grease Fitting	2
32	27-3560	Latch – Parking Brake	1
33	329-4	Screw – Cap, Hex Hd.	1
34	3253-3	Washer – Lock Spring	1
35	7-3900	Food Pad – Brake	2
36	3290-378	Plastic Ty-On	1
37	3256-26	Washer – Plain Flat	2
38	42-3220	Rack	1
39	27-3390	Tube – Front Steering	1
40	21-0140	Socket Assembly R.H. (Incl. Ref. #21)	2
41	3220-5	Nut – Hex Jam	2
42	3296-33	Nut – Lock, Nylon Insert	1

†Included with Steering Post Bracket Assembly, Ref. Page 6, Item 43.



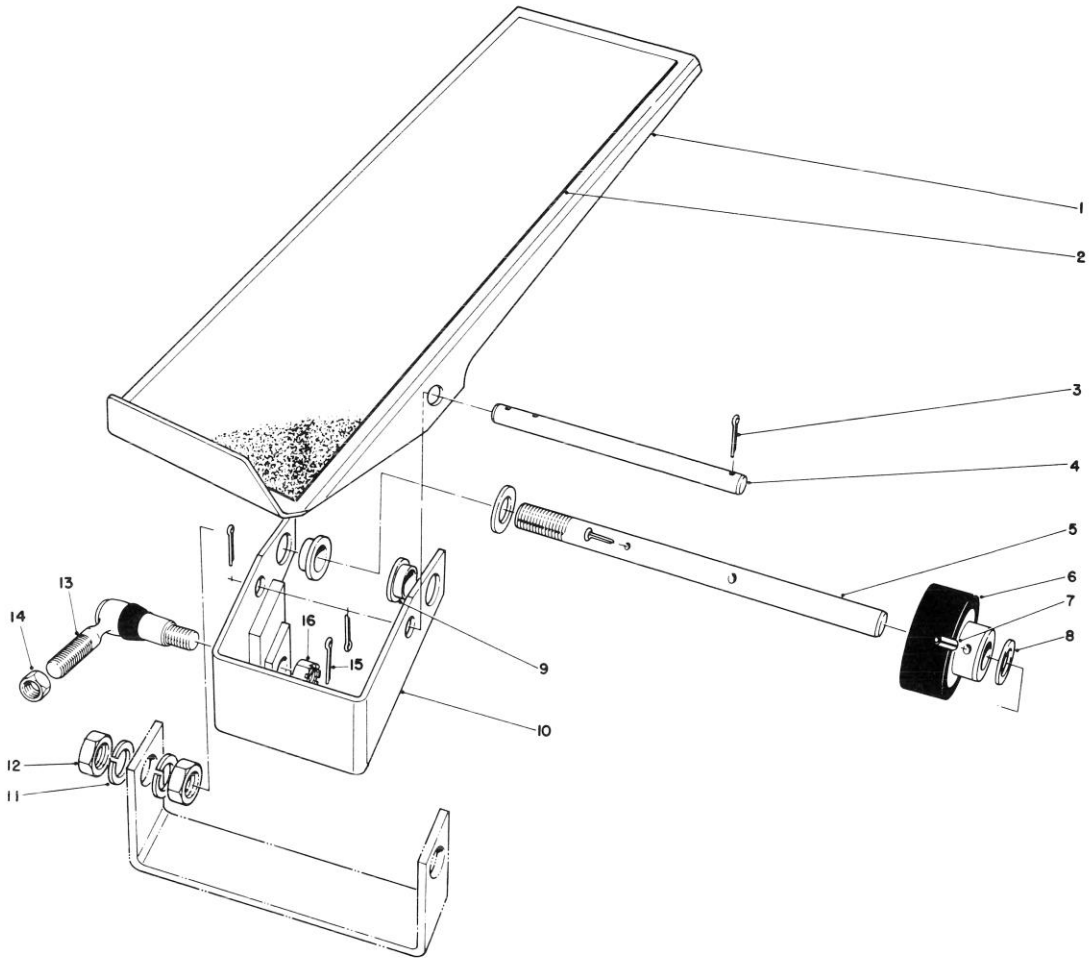
T-0701-89

STEERING GEAR ASSEMBLY NO. 41-8820

Ref. No.	Part No.	Description	No. Used
1	5676217	Nut – Adjuster Lock	1
2	5666681	Adjuster Assembly	1
3	7812946	Worm Assembly – Steering	1
4	7801626	Seal	1
5	7802160	Seal	1
6	7807009	Hex Head Flange Bolt	3
7	114495	Nut	1
8	7806748	Side Cover Service Kit (Incl. Ref. #6, 9, 11 & 13)	1

Ref. No.	Part No.	Description	No. Used
9		Bushing	1
10	605142	Shim Kit	1
11	7802482	Adjuster	1
12	7812834	Gear – Pitman Shaft	1
13	5666734	Gasket	1
14	5679292	Steering Gear Housing	1
15	5666693	Bearing Assembly – Worm Thrust	1

Note: Obtain parts from your local GMC, Chevrolet Dealer.

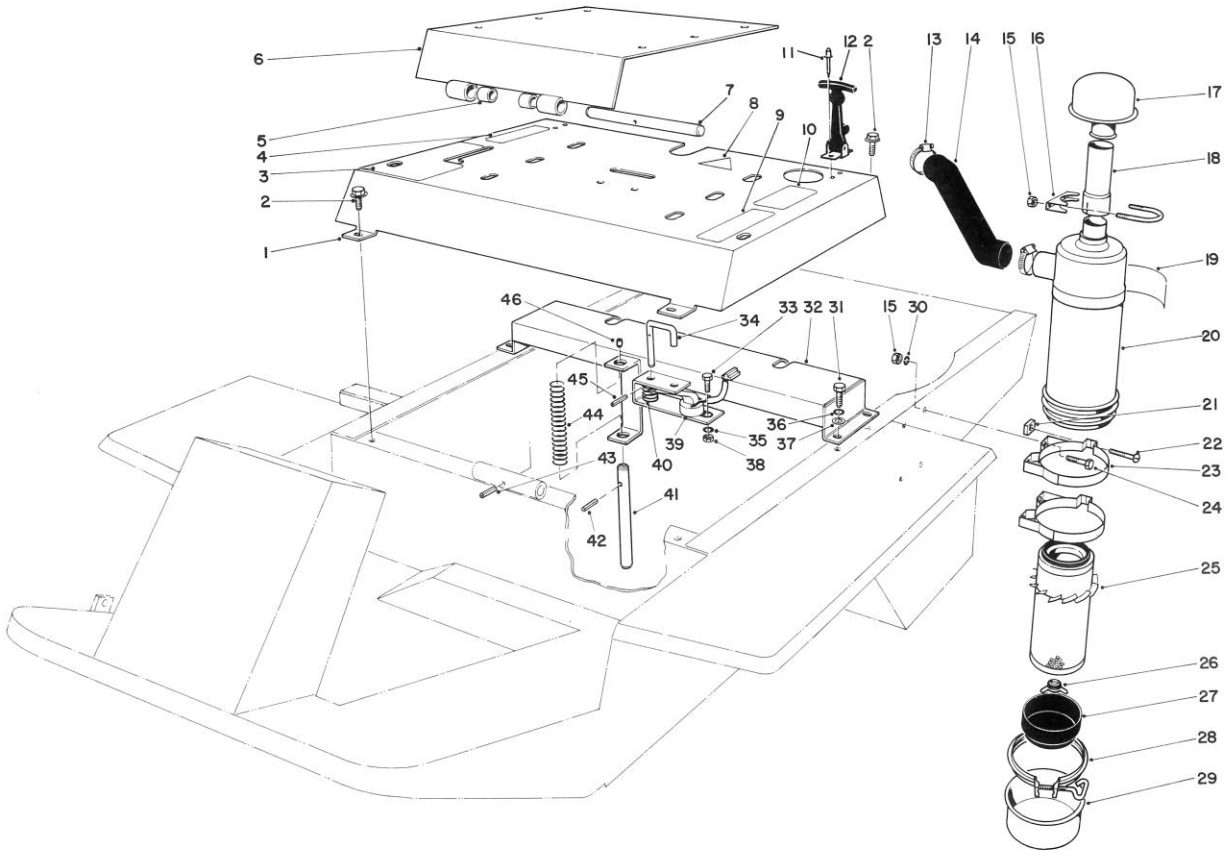


T-0700-89

TRACTION PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	29-5670	Traction Pedal	1
2	28-5130	Pad Pedal	1
3	3272-10	Cotter Pin	4
4	29-5630	Pivot Pin Pedal	1
5	29-5640	Shaft – Traction Pedal	1
6	28-5220	Friction Wheel Assembly	1
7	32121-16	Roll Pin	1
8	5-7570	Washer	2
9	256-156	Bushing	2

Ref. No.	Part No.	Description	No. Used
10	29-5600	Pivot Bracket Assembly (Incl. Ref. #9)	1
11	3253-7	Lockwasher	2
12	3218-5	Jam Nut	2
13	21-0140	Socket Assembly R.H. (Incl. Ref. #16)	1
14	3220-5	Jam Nut	1
15	3272-7	Cotter Pin	1
16	32136-4	Slotted Nut	1

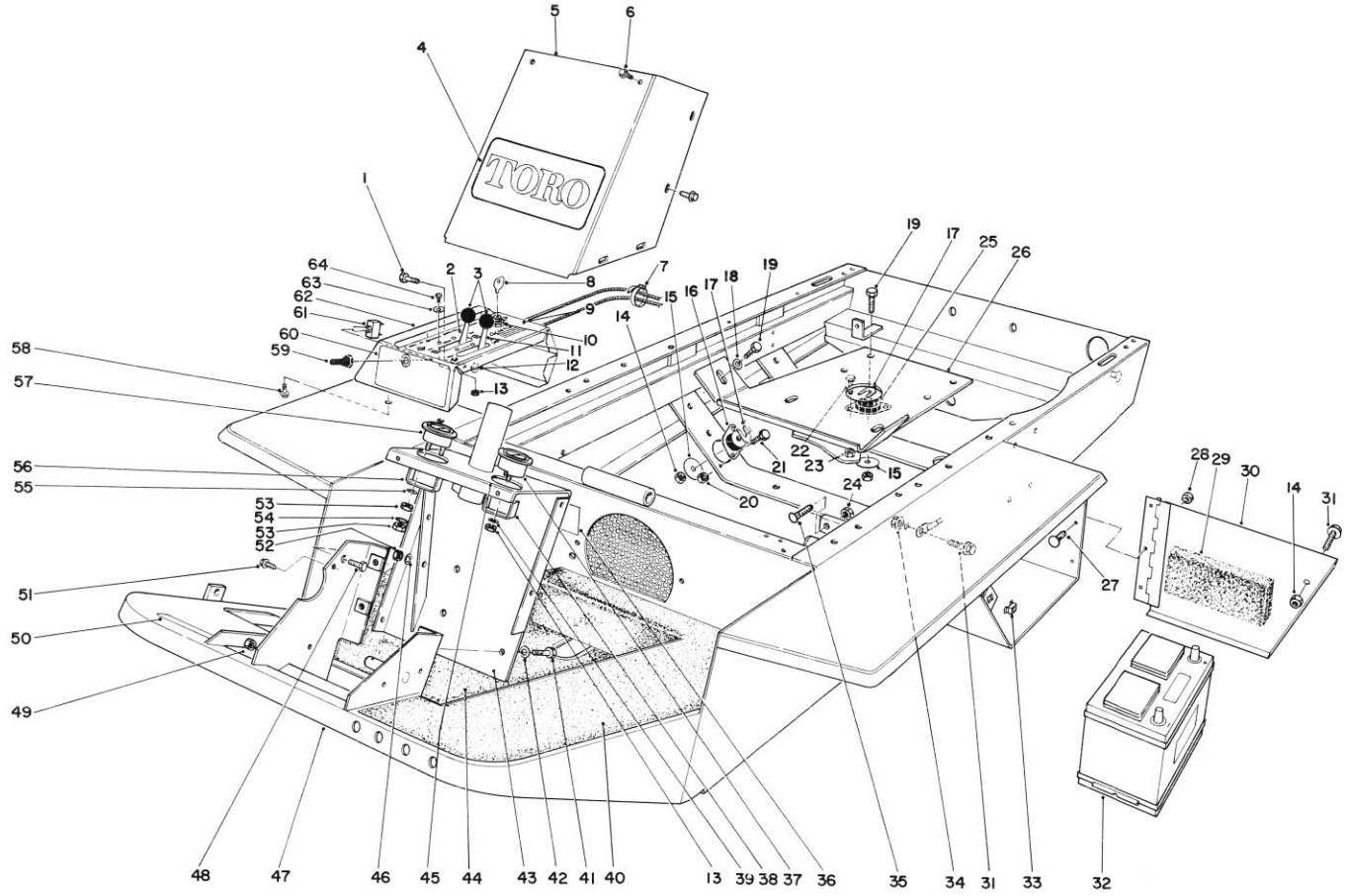


T-0699-89

SEAT MOUNT AND AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	61-8140	Cover — Seat Support (Incl. Ref. #4, 5, 9 & 10)	1
2	46-8560	Screw — Hex Flange Hd.	4
3	68-7320	Decal — Hydraulic Lift	1
4	67-1710	Decal — Caution	1
5	256-173	Bushing	2
6	38-4020	Seat Mounting (Incl. Ref. #5)	1
7	27-4720	Shaft — Seat Pivot	1
8	43-8480	Decal — Danger	1
9	68-7330	Decal — Caution	1
10	27-7310	Decal — Refueling	1
11	3269-16	Rivet — Pop	4
12	249-39	Handle Assembly	2
13	2412-42	Hose Clamp	2
14	44-9050	Hose — Air Cleaner Inlet	1
15	3217-6	Nut — Hex	6
16	20-4840	Muffler Clamp	1
17	27-7180	Cap Assembly	1
18	44-8950	Tube — Air Cleaner	1
19	27-7160	Decal — Instruction	1
20	27-7100	Air Cleaner Assembly (Incl. Ref. #18 & 24-28)	1
21	32107-11	Nut — Square	2
22	3258-19	Machine Screw	2

Ref. No.	Part No.	Description	No. Used
23	27-7170	Band Assembly Mounting (Incl. Ref. #20 & 21)	2
24	322-3	Screw — Cap Hex. Hd.	4
25	27-7110	Element Assembly	1
26	27-7120	Nut & Gasket Assembly	1
27	27-7140	Skirt — Baffle	1
28	27-7130	Clamp Assembly	1
29	27-7150	Cup Assembly	1
30	3253-4	Washer — Lock	4
31	323-5	Screw — Cap Hex. Hd.	4
32	37-9770	Seat Support	1
33	321-2	Screw — Cap Hex. Hd.	1
34	38-3170	Pin — Seat Switch	1
35	3253-3	Washer — Lock Spring	1
36	3253-21	Washer — Lock	4
37	3256-24	Washer — Plain	4
38	3217-5	Nut — Hex	1
39	29-6930	Switch Arm	1
40	3-6685	Spring	1
41	27-9870	Pin — Seat Switch	1
42	32121-6	Pin — Roll	1
43	32121-4	Pin — Roll	1
44	37-9590	Spring	1
45	32121-18	Pin — Roll	1
46	28-6180	Pin — Plastic	1



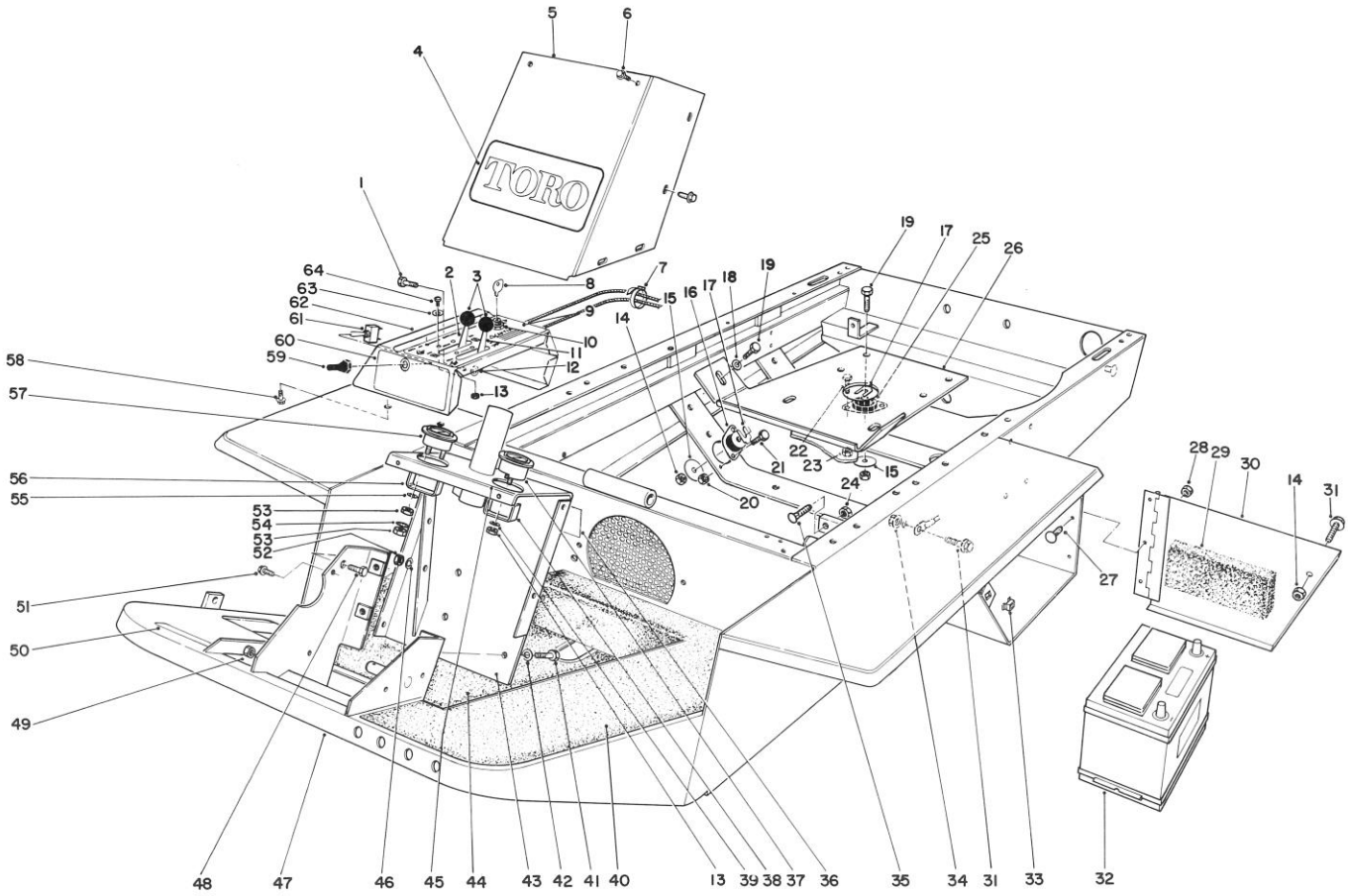
T-0698-89

INSTRUMENT PANEL AND STEERING POST ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	321-4	Capscrew	1
2	44-9300	Control — Choke	1
3	233-35	Knob	2
4	62-5550	Decal — Toro	1
5	41-8900	Cover — Steering Tower	1
6	46-8560	Screw — Tapping Hex. Hd.	11
7	3290-378	Plastic Ty-On	1
8	63-8360	Key	1
9	68-7350	Decal — Instrument Panel	1
10	27-2360	Switch — Ignition	1
11	44-9250	Control Throttle	1
12	3256-22	Washer — Plain Flat	1
13	3217-26	Nut — Hex	5
14	3296-39	Nut — Lock Nylon Insert	5
15	28-1140	Washer	4
16	44-9390	Mount — Engine Rubber	2
17	42-6080	Shim — Axle	A/R
18	3256-24	Washer — Plain Flat	2
19	323-12	Screw — Cap Hex. Hd.	4
20	3296-29	Nut — Lock Nylon Insert	4
21	322-3	Capscrew	4
22	3290-134	Hex. Hd. Machine Screw	4
23	3296-2	Nut — Lock Nylon Insert	4
24	3218-3	Hex Jam Nut	1

Ref. No.	Part No.	Description	No. Used
25	18-8000	Rubber Mount	2
26	44-9320	Engine Base	1
27	3274-31	Screw —Cap Button Hd.	3
28	3296-42	Nut — Lock Nylon Insert	3
29	44-9460	Foam Strip — Battery Cover	1
30	44-8920	Battery Cover	1
31	3234-11	Screw — Cap Hex. Hd. w/Locking Flange	2
32†		Battery Assy.	1
33	3290-433	Retainer — Grip Nut	1
34	3290-357	Nut — Hex. Hd. w/Locking Flange	1
35	3231-29	Carriage Bolt	1
36	53-4430	Decal — Oil	1
37	12-9990	Hour Meter	1
38	218-515	Mounting Bracket	1
39	3254-1	Washer — External Tooth	1
40	27-3250	Nonskid — Tunnel	1
41	324-6	Screw — Cap Hex. Hd.	3
42	3253-6	Washer — Lock, Spring	3
43	42-2580	Steering Post Bracket	1
44	27-3260	Nonskid Floor	1
45	41-8910	Decal — Instruction	1
46	3253-21	Washer — Lock Spring	1

†Obtain Locally. Group size 22F 300 amps.

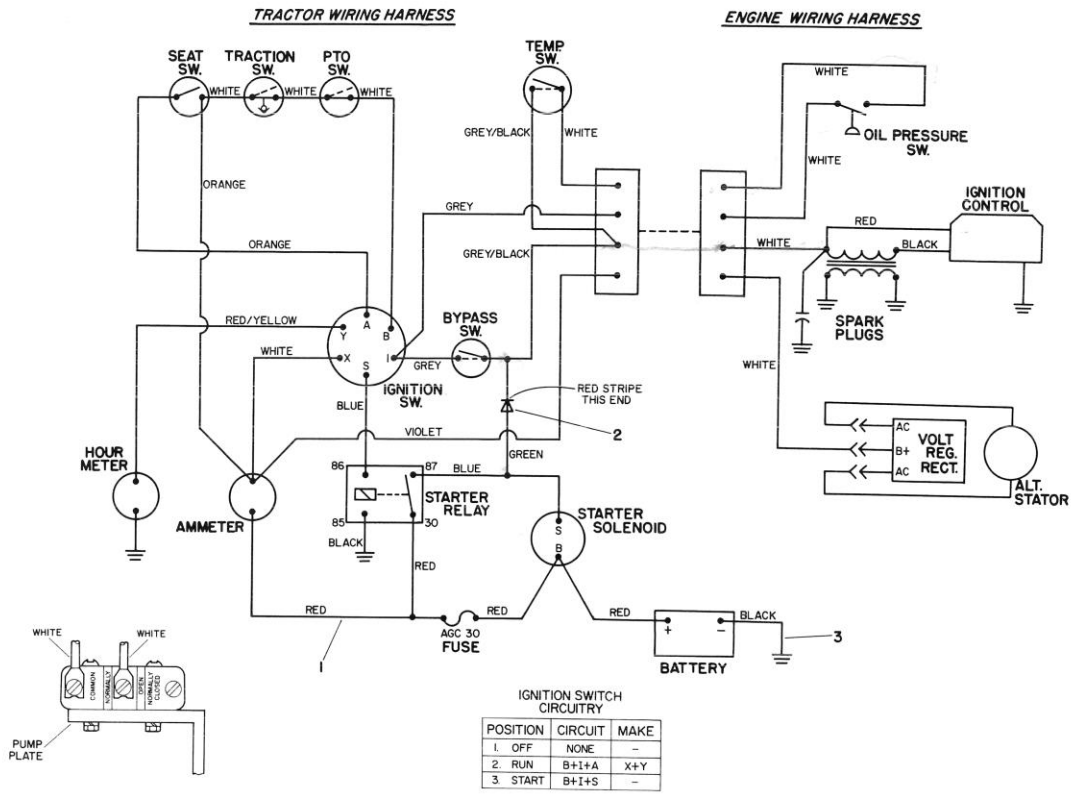


T-0698-89

INSTRUMENT PANEL AND STEERING POST ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
47	44-9170	Frame	1
48	323-5	Screw — Cap, Hex. Hd.	1
49	3296-42	Locknut	2
50	27-7320	Decal —Traction Pedal	1
51	32104-60	Screw — Self Tapping Hex. Washer Hd.	1
52	3217-7	Nut — Hex	1
53	3219-14	Nut — Brass	6
54	3254-8	Lockwasher	2
55	3256-21	Washer	2

Ref. No.	Part No.	Description	No. Used
56	39-9600	Mounting Clamp	1
57	33-0990	Ammeter	1
58	32104-116	Screw — Self Tapping Hex. Washer Hd.	2
59	218-473	Boot — Toggle Switch	1
60	46-3460	Decal — By-Pass	1
61	6-1659	Switch — Toggle (Incl. Ref. #58)	1
62	46-3350	Instrument Panel	1
63	3253-17	Washer — Lock Spring	4
64	3251-3	Rd. Hd. Machine Screw	4



IGNITION SWITCH CIRCUITRY

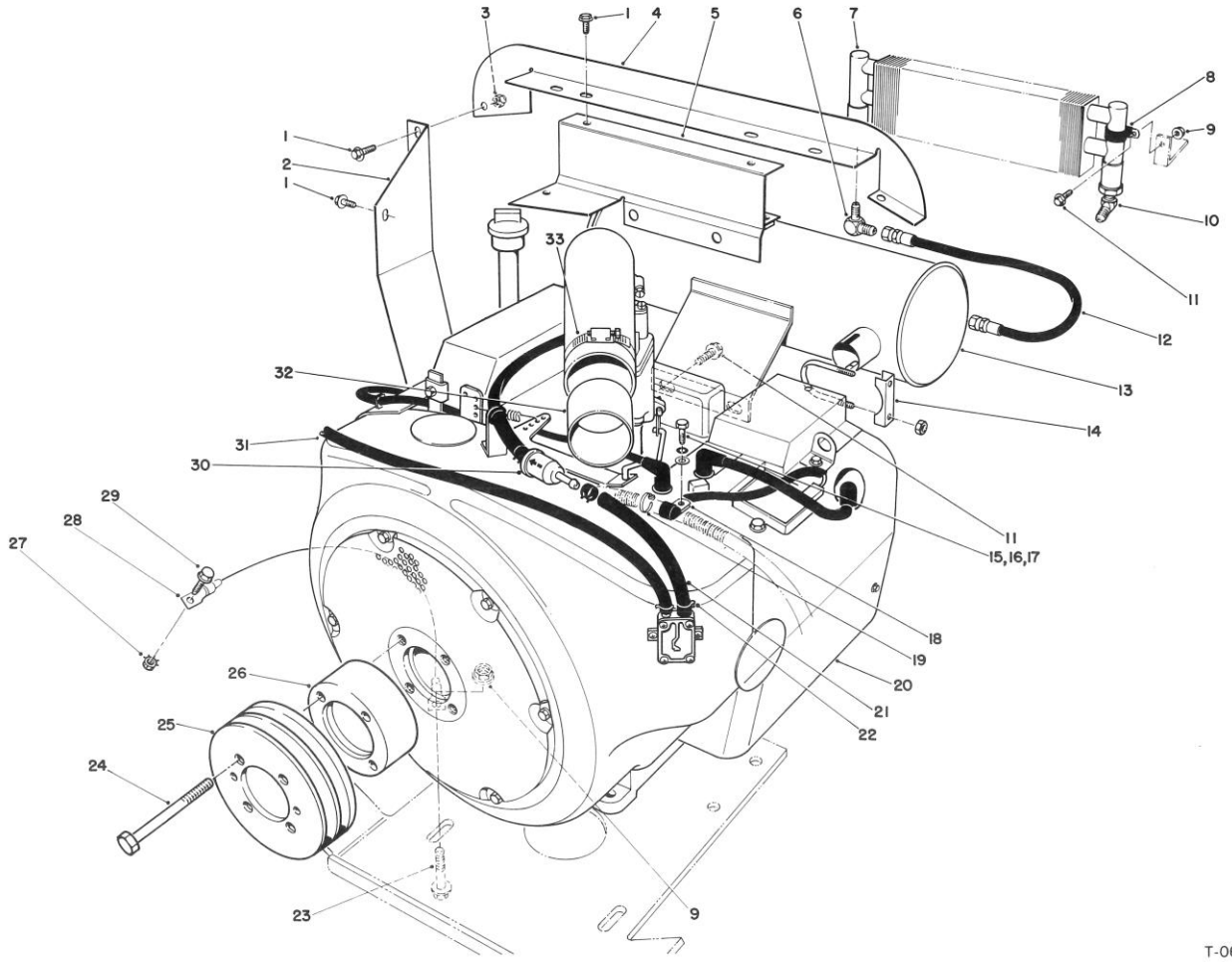
POSITION	CIRCUIT	MAKE
1. OFF	NONE	-
2. RUN	B+I+A	X+Y
3. START	B+I+S	-

T-0687-89

ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	~~70-1540~~ 70-1450	Wire Harness (Incl. Ref. #2)	1

Ref. No.	Part No.	Description	No. Used
2	67-7130	Diode	1
3	27-5090	Wire Battery Ground	1



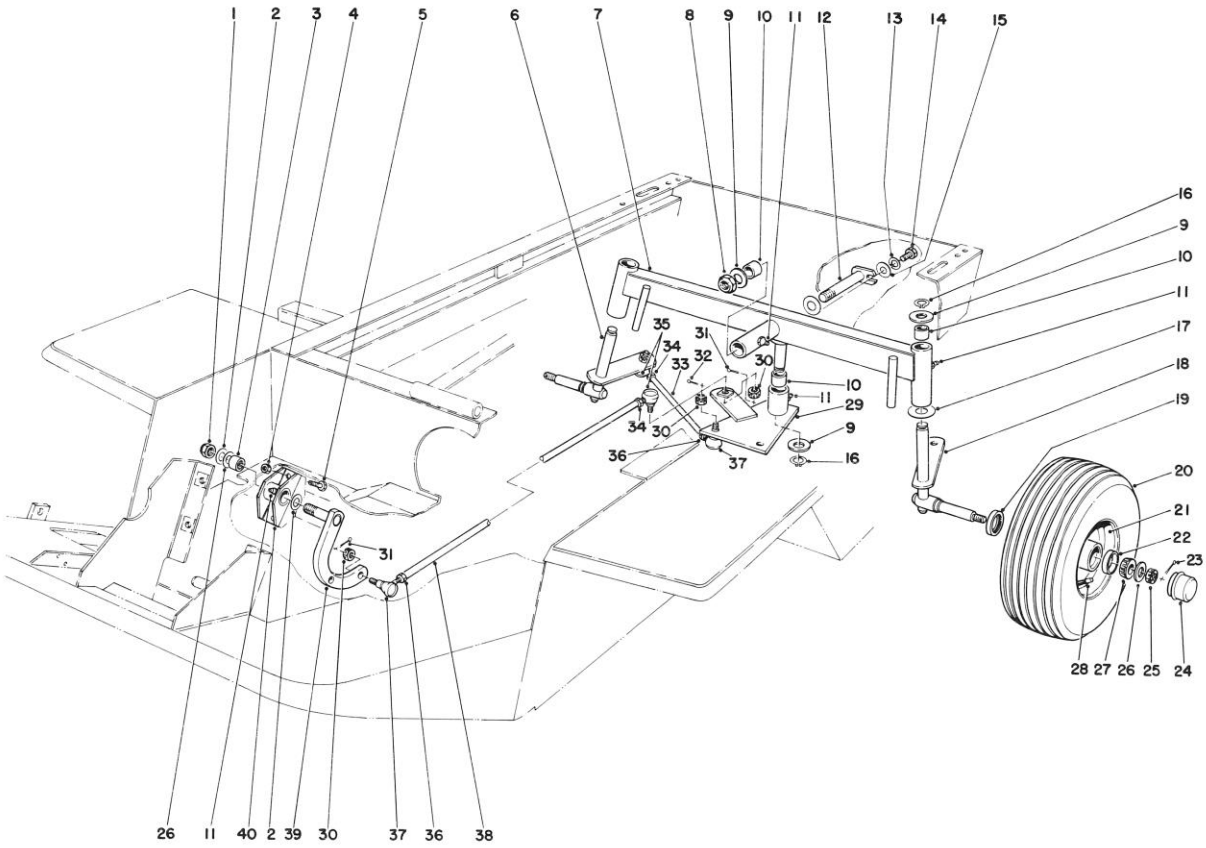
T-0688-89

ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3234-13	Screw — Cap Hex Hd. Flange	10
2	44-8690	Shield — Engine Heat	1
3	3296-16	Nut — Lock, Nylon Insert	1
4	44-8710	Shroud — Engine	1
5	44-9010	Bracket — Shield Support	1
6	353-428	Elbow — Male 90°	1
7	22-7320	Oil Cooler	1
8	2412-39	Clamp — R	2
9	3290-357	Nut — Hex. Hd. w/Locking Flange	4
10	353-714	Elbow — Male 45°	1
11	3234-11	Screw — Cap. Hex. Hd. w/Locking Flange	4
12	44-9020	Hose Assembly — Oil	1
13	44-8960	Muffler	1
*	46-2390	Muffler — Spark Arrestor (Optional)	1
14	2412-37	Clamp — Muffler	2
15	321-4	Capscrew	1

Ref. No.	Part No.	Description	No. Used
16	3253-3	Washer — Lock Spring	1
17	3256-22	Washer — Plain, Flat	1
18	2412-81	Clamp — R	1
19	3290-379	Tie Cable	1
20	70-2590	Engine (Onan Model No. P220G-I/10808C	1
21	59-0710	Hose, Fuel	1
22	2412-36	Hose Clamp	5
23	3234-18	Capscrew Hex. Flange	2
24	3235-23	Screw — Cap. Hex. Hd.	4
25	43-5340	Pulley — Engine	1
26	71-0700	Spacer	1
27	32149-2	Nut — Lock	1
28	10-7160	Wire Assembly	2
29	3234-4	Capscrew Hex Flange	1
30	71-5960	Filter, Fuel	1
31	71-3370	Line — Fuel	1
32	44-9450	Adapter — Air Inlet	1
33	2412-42	Hose Clamp	1

*Not Illustrated



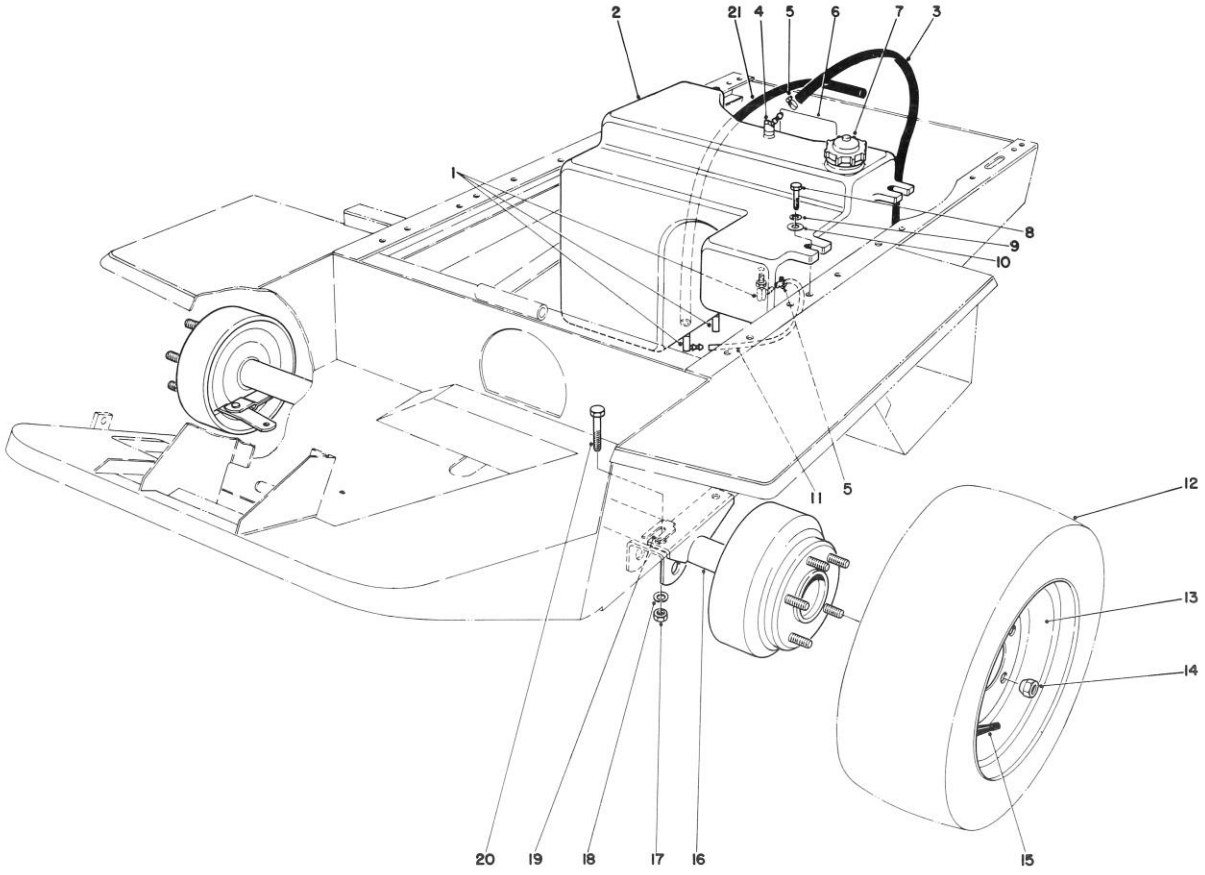
T-0697-89

REAR AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3296-15	Nut — Lock	1
2	3-6514	Washer — Thrust	2
3	252-6	Bearing	2
4	3296-44	Locknut	2
5	323-5	Screw — Cap, Hex. Hd.	2
6	39-8900	Spindle R.H.	1
7	44-9090	Rear Axle (Incl. Ref. #10 & 11)	1
8	3296-49	Nut — Lock, Nylon Insert	1
9	10-8110	Washer	4
10	3-0348	Bushing	8
11	302-5	Grease Fitting	4
12	27-4060	Pin - Rear Axle	1
13	3253-3	Lockwasher	1
14	321-2	Capscrew	1
15	3256-22	Washer — Plain, Flat	1
16	32151-36	Ring — Retaining Ext.	3
17	256-121	Bushing	2
18	39-8850	Spindle L.H.	1
19	253-129	Oil Seal	2
20	231-104	Tire	2
*	232-39	Inner Tube (Optional)	2
21	217-108	Rim (Incl. Ref. #22)	2
22	254-72	Bearing Cup	4

Ref. No.	Part No.	Description	No. Used
23	3272-13	Cotter Pin	2
24	241-119	Dust Cap	2
25	32136-5	Nut — Hex, Castle	2
26	3256-28	Washer — Plain, Flat	3
27	254-94	Bearing Cone	4
28	232-35	Valve Stem w/Cap	2
29	44-9120	Steering Plate (Incl. Ref. #10 & 11)	1
30	32136-4	Slotted Nut	6
31	3272-7	Cotter Pin	2
32	3272-6	Cotter Pin	4
33	27-4090	Tie Rod — Steering	2
34	3220-12	Nut — Hex Jam	3
35	21-0150	Socket Assembly L.H. (Incl. Ref. #30)	3
36	3220-5	Nut — Hex Jam	3
37	21-0140	Socket Assembly R.H. (Incl. Ref. #30)	3
38	44-9110	Tube — Rear Steering	1
39	27-5230	Pivot Arm	1
40	27-3640	Pivot Mount (Incl. Ref. #3 & 11)	1

*Not Illustrated



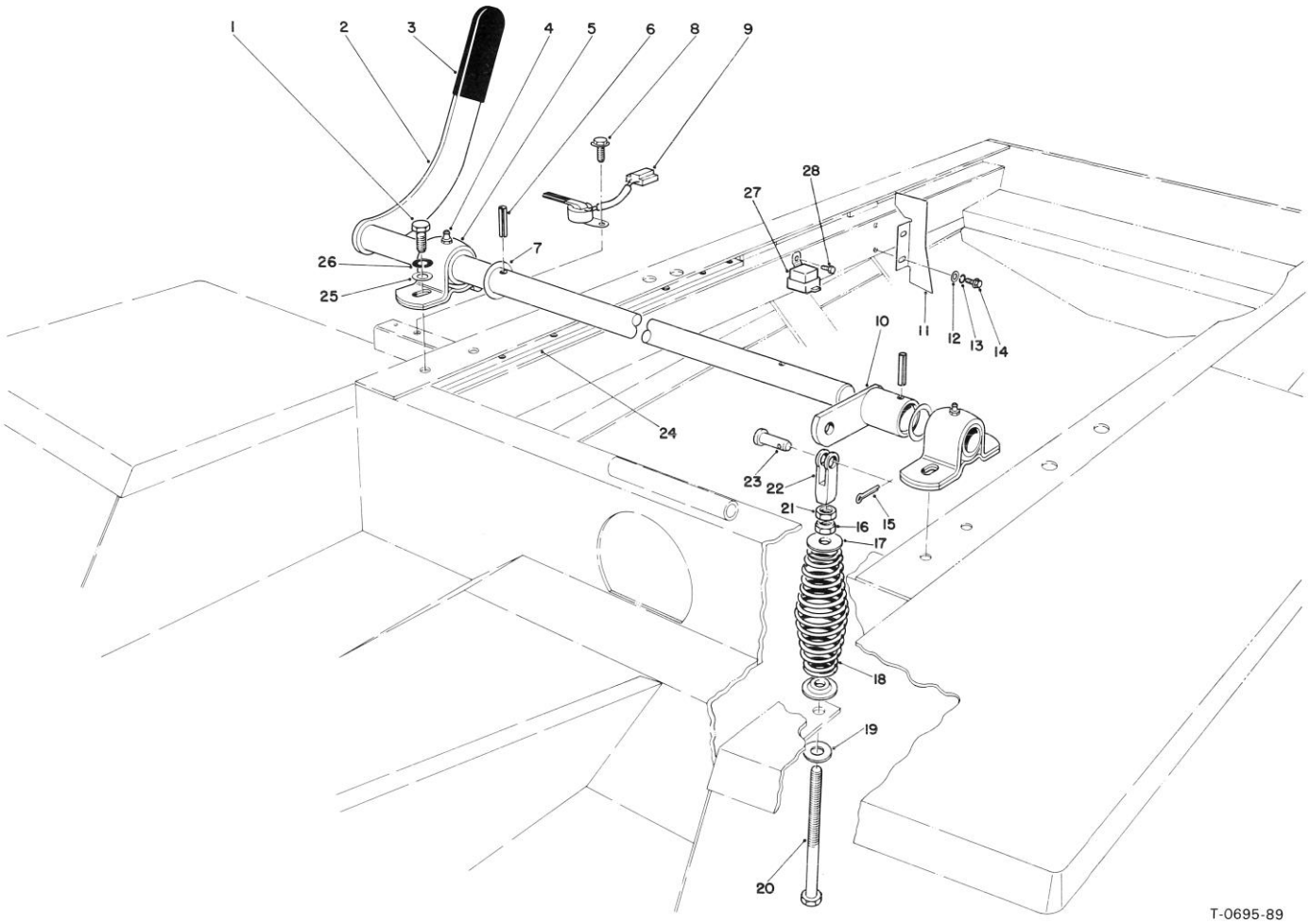
T-0696-89

GAS TANK AND AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	353-536	90° Elbow	3
2	43-5350	Gas Tank (Incl. Ref. # 1 & 3)	1
3	37-9920	Hose	1
4	353-705	45° Elbow	1
5	2412-36	Clamp – Worm Drive	5
6	43-8480	Decal – Danger	1
7	55-3574	Gas Cap	1
8	323-19	Screw – Cap, Hex Hd.	3
9	3253-21	Lockwasher	3
10	3256-41	Washer – Plain	3
11	61-9650	Gas Line – Tank Connection	1

Ref. No.	Part No.	Description	No. Used
12	231-103	Tire	2
13	217-107	Rim	2
14	242-35	Nut – Hex	10
15	232-35	Valve Stem w/Cap	2
16	71-0890	Axle Assembly	1
17	3217-8	Nut – Hex	4
18	3253-6	Washer – Lock	4
19	42-6080	Shim Axle	A/R
20	324-9	Screw – Cap, Hex Hd.	4
21	71-3370	Hose — Fuel	1
*	232-43	Inner Tube (Optional)	2

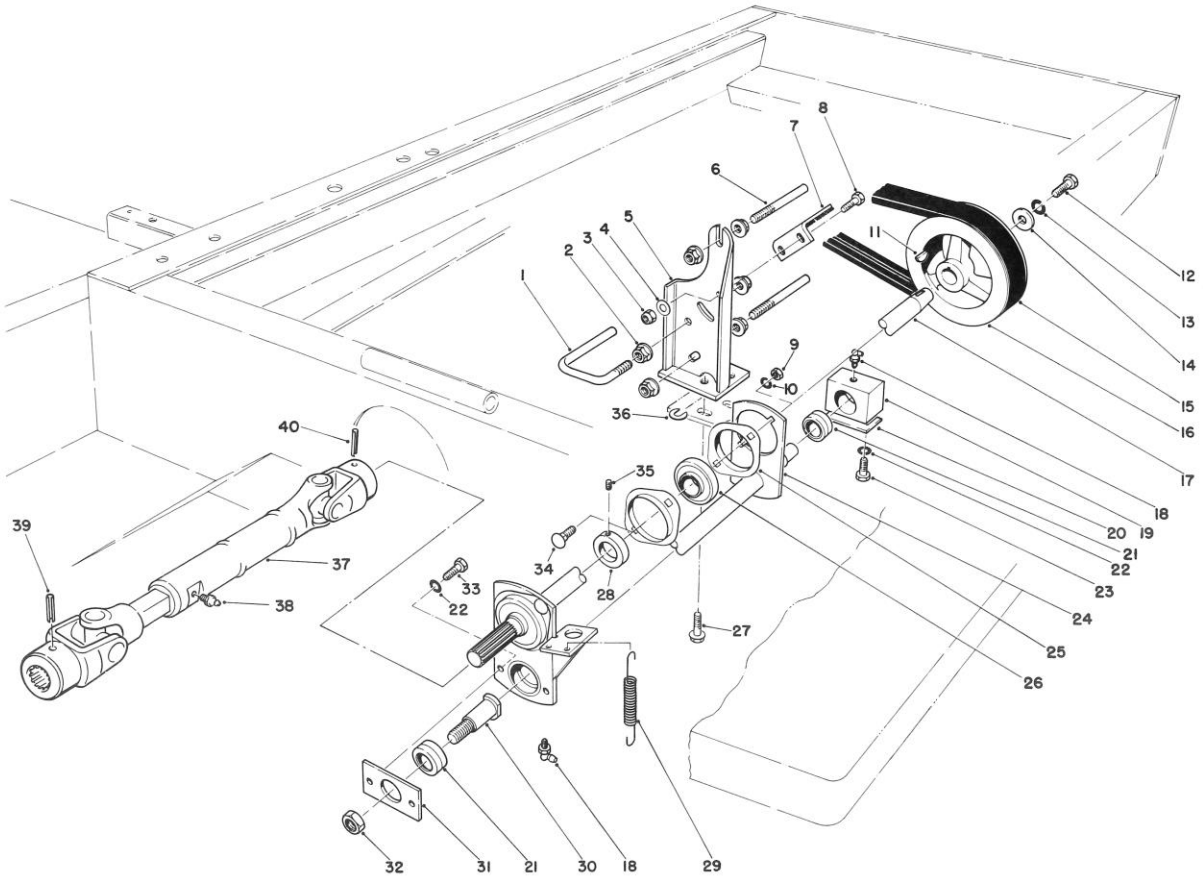
* Not Illustrated



POWER TAKE OFF LEVER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	321-4	Capscrew	4
2	27-4910	Power Take Off Lever	1
3	21-1880	Grip Handle	1
4	302-5	Grease Fitting	2
5	251-269	Bearing — Pillow Block	2
6	32121-31	Pin — Roll	2
7	3-6514	Washer	2
8	32104-116	Screw — Self Tapping Hex Washer Hd.	1
9	29-6930	Switch Arm	1
10	47-4780	Engagement Arm	1
11	44-8680	Shield — Heat	1
12	3256-23	Washer — Plain	2
13	3253-4	Washer — Lock Spring	2
14	32144-11	Screw — Self Tapping Hex Hd.	2

Ref. No.	Part No.	Description	No. Used
15	3272-5	Cotter Pin	1
16	3296-5	Nut — Lock	1
17	44-8890	Retainer — Spring	2
18	44-8820	Spring — Compression	1
19	3256-41	Washer — Plain	1
20	27-7900	Screw — Adjusting	1
21	3220-3	Nut — Hex Jam	1
22	282-1	Yoke	1
23	283-42	Pin — Clevis	1
24	37-7060	Bar — Frame Rail	2
25	3256-22	Washer — Plain	4
26	3253-3	Washer — Lock Spring	4
27	63-7590	Relay	1
28	32104-17	Screw — Incl. Hex Hd.	1

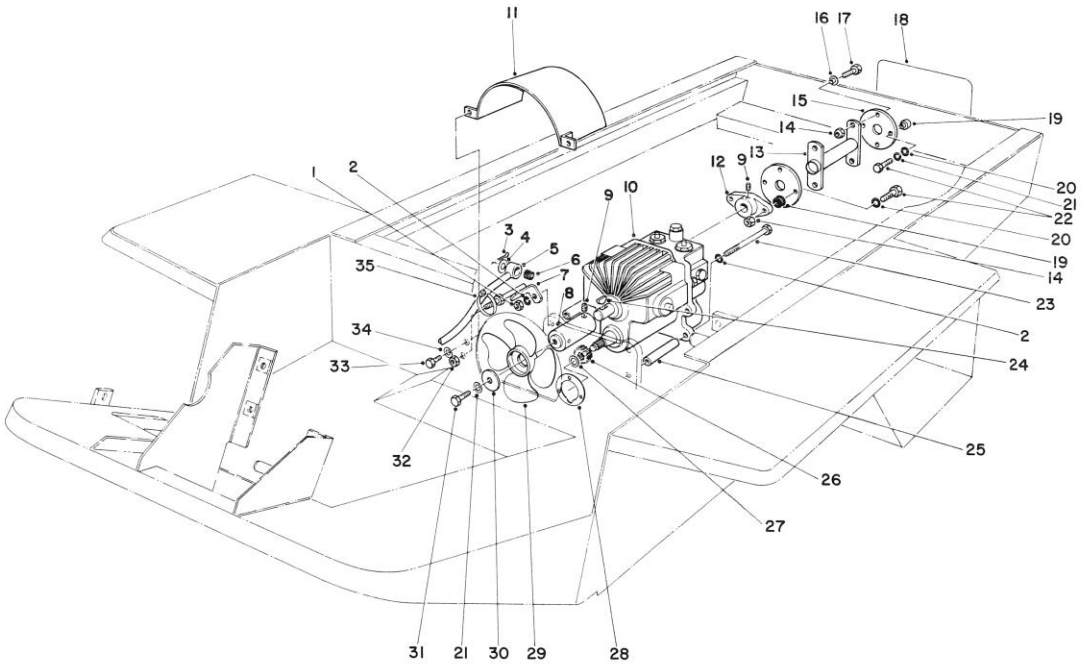


T-0694-89

POWER TAKE OFF ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	44-9220	Guide — Belt, Power Take Off (Lower)	1
2	3290-357	Nut — Hex Hd. w/Locking Flange	6
3	3296-29	Nut — Lock, Nylon Insert	2
4	3256-23	Washer	2
5	44-9310	Bracket—Power Take Off Brake	1
6	44-9230	Guide — Belt Power Take Off	2
7	44-9330	Support Pad Assembly — Power Take Off Brake	1
8	322-4	Screw — Cap Hex Hd.	2
9	3217-6	Nut — Hex	4
10	3253-4	Washer — Lock, Spring	4
11	3257-5	Key — Woodruff	1
12	323-18	Screw — Cap, Hex Hd.	1
13	3253-21	Washer — Lock, Spring	1
14	29-4730	Washer — Power Take Off	1
15	44-8990	V-Belt — Torque Team	1
16	43-5320	Pulley — Power Take Off	1
17	27-4980	Shaft — Power Take Off	1
18	302-40	Grease Fitting	2
19	28-9050	Hub — Bearing	1

Ref. No.	Part No.	Description	No. Used
20	47-4760	Shim — P.T.O. Block	1
21	251-268	Bearing	2
22	3253-3	Washer — Lock Spring	4
23	321-7	Screw — Cap, Hex Head	2
24	44-9350	Engagement Arm	1
25	251-255	Flange Bearing	4
26	251-253	Bearing w/Collar (Incl. Ref. #28 & 35)	2
27	3234-11	Screw — Cap, Hex Hd.	3
28	251-77	Locking Collar	2
29	28-8950	Spring — Extrusion	2
30	27-6970	Stud — Bearing	1
31	27-6650	Retainer — Bearing	1
32	3296-33	Nut — Lock Nylon Insert	1
33	321-3	Screw — Cap Hex Hd.	2
34	3230-16	Carriage Bolt	4
35	3245-1	Set Screw	2
36	28-5640	Washer — Special	A/R
37	27-4520	Drive Shaft	1
38	302-5	Fitting Grease	1
39	32121-34	Pin — Roll	1
40	32121-119	Pin — Roll	1

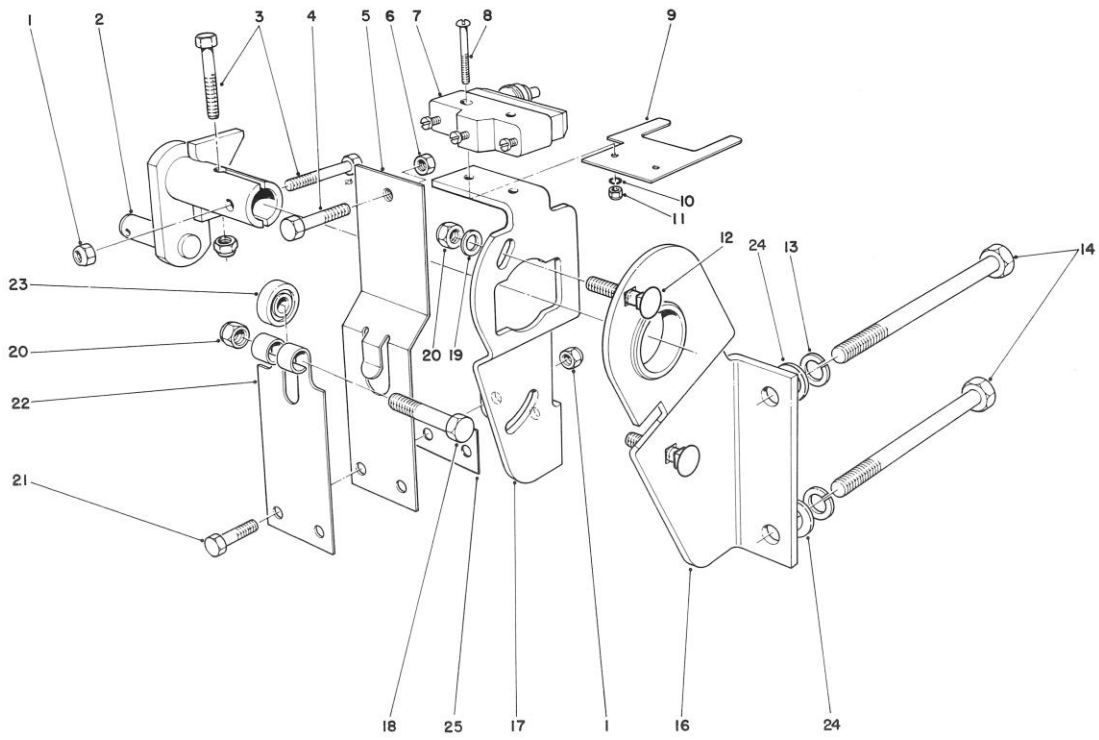


T-0693-89

TRANSMISSION AND DRIVE COUPLING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3217-7	Nut Hex	1
2	3253-21	Washer – Lock Spring	3
3	3272-10	Pin Cotter	1
4	3256-26	Washer – Plain, Flat	1
5	27-4160	Pump Control Tube	1
6	23-2270	Bushing – Rubber	1
7	27-5310	Axle Support	1
8	27-4340	Hub & Plug Assembly	1
9	3245-1	Setscrew	4
10	49-7910	Transmission	1
11	27-3270	Fan Shroud	1
12	27-4370	Pump Hub	1
13	44-8720	Drive Shaft	1
14	32152-5	Nut – Lock, Top Deform	6
15	44-2230	Coupling – Rubber	2
16	27-6600	Spacer – Rubber Coupling	4
17	3210-5	Screw – Cap, Hex. Hd.	4
18	62-7400	Decal – Toro	1

Ref. No.	Part No.	Description	No. Used
19	33-2020	Spacer	4
20	3256-3	Washer – Plain, Flat	4
21	3253-4	Washer – Lock, Spring	2
22	3210-8	Screw – Cap, Hex. Hd.	4
23	323-38	Screw – Cap Hex Hd.	2
24	3257-5	Woodruff Key	2
25	27-3680	Mounting Spacer	4
26	23-4810	Spur Gear	1
27	32120-72	Snap Ring	1
28	27-3690	Gasket – Transmission	1
29	27-3740	Fan	1
30	27-4360	Washer	1
31	322-5	Capscrew	1
32	3218-5	Nut – Hex Jam	2
33	321-2	Screw – Cap Hex Hd.	2
34	3253-3	Washer – Lock Spring	2
35	3290-378	Plastic Ty-On	1

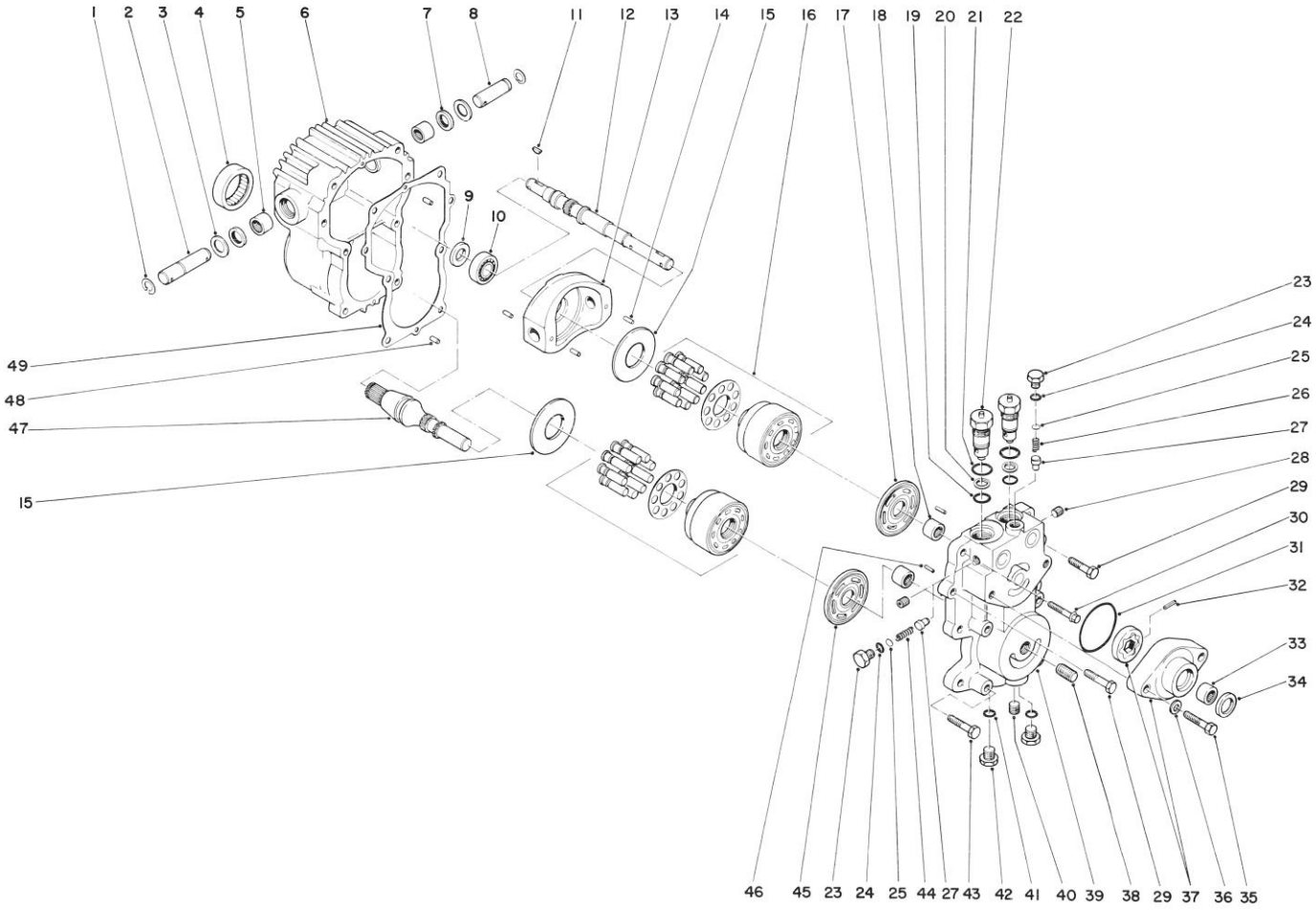


T-0538-89

TRANSMISSION INTERLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3296-42	Nut — Lock	4
2	29-9790	Pump Lever	1
3	321-9	Capscrew	2
4	3210-7	Screw — Cap Hex Hd.	1
5	29-6170	Extended Leaf Spring	1
6	3219-2	Nut Hex	1
7	29-6160	Micro Switch	1
8	3249-11	Screw — Machine, Round Head	2
9	46-8810	Stop — Leaf Spring	1
10	3254-9	Washer — Lock Internal Tooth	2
11	3217-16	Nut — Hex	2
12	3230-2	Carriage — Bolt	2
13	3253-21	Washer — Lock	2

Ref. No.	Part No.	Description	No. Used
14	27-9620	Capscrew	1
15	323-39	Screw — Cap Hex. Hd.	1
16	52-8890	Mounting Bracket	1
17	52-9070	Pump Plate	1
18	322-17	Screw — Cap Hex. Hd.	1
19	3256-2	Washer	2
20	3296-29	Nut — Lock	2
21	321-4	Screw — Cap Hex. Hd.	2
22	29-6150	Leaf Spring	1
23	3296-29	Nut — Lock	1
24	251-259	Ball Bearing	1
25	51-3150	Shim	A/R

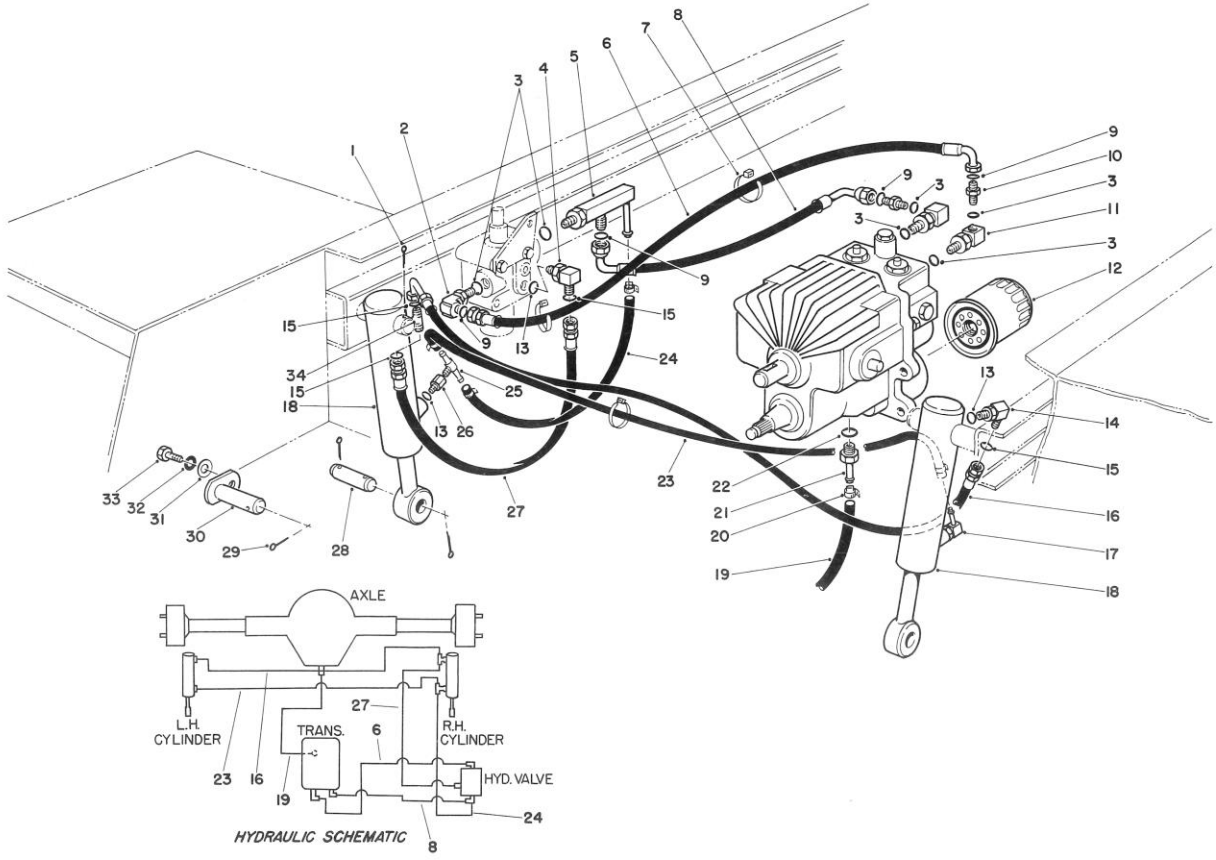


T-0536-89

TRANSMISSION ASSEMBLY 49-7910

Ref. No.	Part No.	Description	No. Used
1	32151-46	Retaining Ring	2
2	25-2500	Trunnion Shaft	1
3	25-2510	Washer	2
4	28-3300	Roller Bearing	1
5	28-3310	Needle Bearing	2
6	49-7870	Housing	1
7	25-3210	Lip Seal	2
8	28-3670	Trunnion Shaft	1
9	28-3660	Lip Seal	1
10	28-3650	Ball Bearing	1
11	3257-5	Woodruff Key	2
12	28-3640	Pump Shaft	1
13	49-7820	Variable Swashplate	1
14	32121-91	Pin	3
15	25-2380	Thrust Plate	2
16	48-1800	Cylinder Block Kit	2
17	46-7320	Pump Valve Plate	1
18	25-3300	Needle Bearing	2
19	28-3590	"O" Ring	2
20	28-3580	Back Up Ring	2
21	28-3570	"O" Ring	2
22	49-7830	Check Valve Assembly (Incl. Ref. #19 - 21)	2
23	25-2460	Hex Hd. Plug	2
24	28-3400	"O" Ring	2
25	25-2470	Shim Pack	A/R

Ref. No.	Part No.	Description	No. Used
26	46-7310	Relief Valve Spring Imp.	1
27	28-3420	Relief Valve Cone Chg.	2
28	285-17	Pipe Plug	4
29	323-8	Capscrew	2
30	28-3530	Capscrew	2
31	28-3520	"O" Ring	1
32	38-2680	Pin	1
33	28-3480	Needle Bearing	1
34	28-3470	Lip Seal	1
35	324-23	Hex Hd. Capscrew	2
36	28-3450	Flat Washer	2
37	38-2670	Charge Pump Kit (Incl. Ref. #31 - 34)	1
38	25-2660	Filter Union	1
39	49-7850	Center Section	1
40	46-7280	Plug — Pipe	1
41		"O" Ring	2
42	28-3440	Threaded Plug (Incl. Ref. #41)	2
43	323-10	Capscrew	4
44	25-2480	Relief Valve Spring Chg.	1
45	28-3380	Motor Valve Plate	1
46	25-2430	Pin	2
47	49-8200	Motor Shaft	1
48	28-3350	Pin	2
49	28-3340	Gasket	1

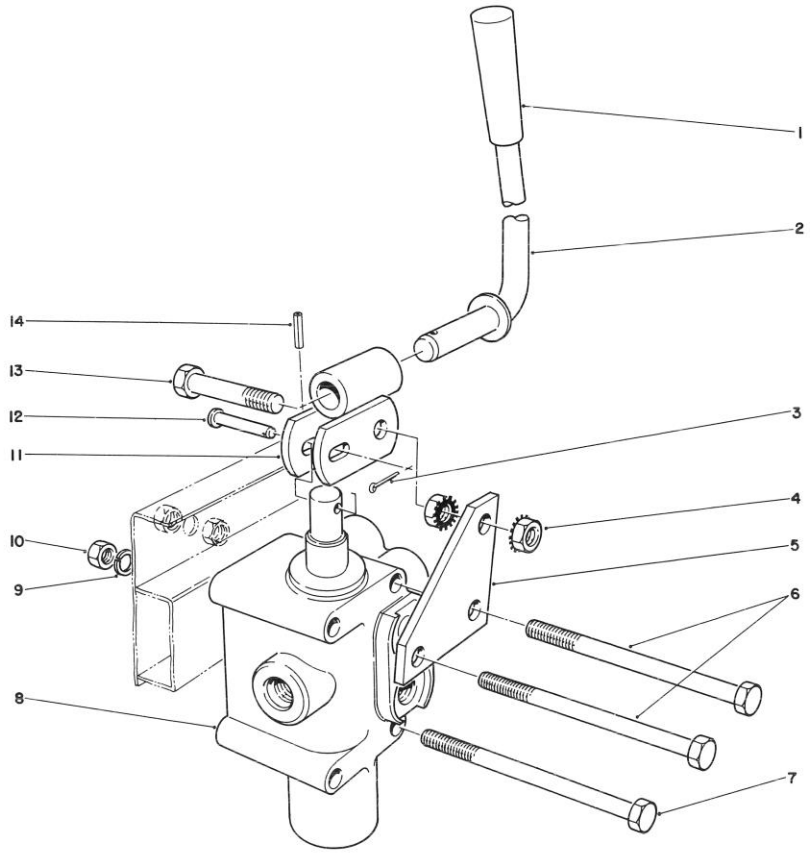


T-0691-89

HYDRAULIC VALVE AND LIFTARM CYLINDERS

Ref. No.	Part No.	Description	No. Used
1	3272-23	Pin — Cotter	6
2	340-77	90° Elbow	1
3	237-65	O-Ring	6
4	340-132	90° Elbow	1
5	71-0590	Fitting Assembly	1
6	71-0670	Hose — Transmission To Valve	1
7	3290-378	Plastic Tie-On	3
8	66-8190	Hose	1
9	237-22	O-Ring	4
10	340-2	Fitting — Straight	2
11	66-3110	Fitting	2
12	23-2300	Filter — Oil	1
13	237-78	O-Ring	3
14	71-3270	90° Elbow	1
15	237-150	O-Ring	4
16	71-0680	Hose	1
17	304-99	90° Barb Hose Stem	1
18	68-9700	Hyd. Cylinder Assy.	2

Ref. No.	Part No.	Description	No. Used
19	66-8130	Hose	1
20	2412-36	Clamp-Worm Drive	4
21	354-24	Fitting (Incl. Ref. #21)	1
22	237-80	O-Ring	1
23	27-4480	Hose-Low Pressure	1
24	71-3770	Hose-Low Pressure	1
25	353-567	Fitting — Male Tee	1
26	353-565	Fitting — Connector	1
27	71-0690	Hose — Cylinder Tee To Valve	1
28	27-4240	Pin — Cylinder	2
29	3272-17	Pin — Cotter	2
30	27-4310	Pin — Pivot	2
31	3256-22	Washer — Plain	2
32	3253-3	Washer — Lock	2
33	321-2	Screw — Cap Hex. Hd.	2
34	340-125	Fitting — Adjustment Tee	1

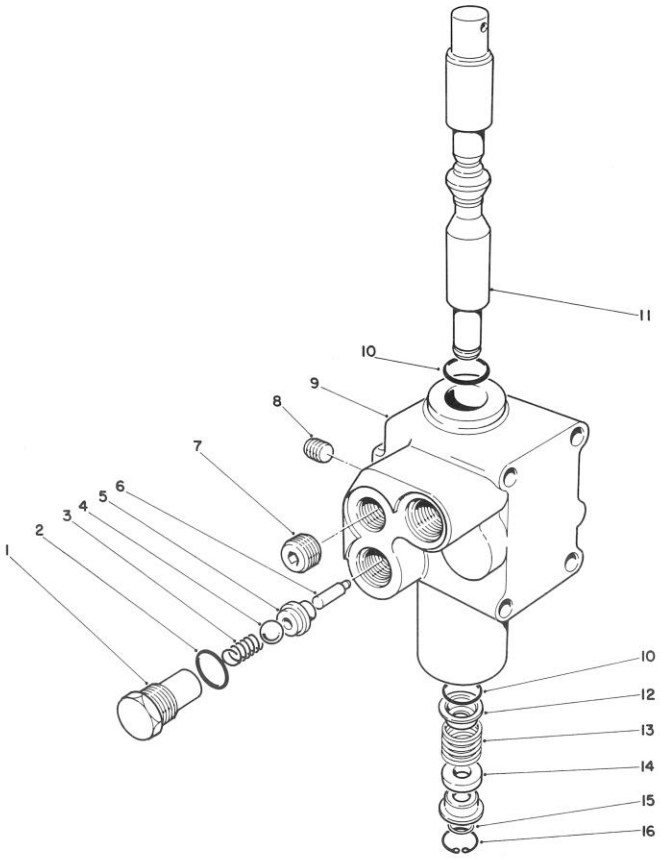


T-0704-89

VALVE AND LEVER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	233-39	Knob	1
2	27-4200	Valve Lever	1
3	3272-6	Cotter Pin	1
4	32149-2	Nut — Lock	2
5	27-4230	Bracket — Valve	1
6	321-34	Screw — Cap, Hex Hd.	2
7	321-24	Screw — Cap, Hex Hd.	1

Ref. No.	Part No.	Description	No. Used
8	43-1700	Valve Hydraulic	1
9	3253-3	Lockwasher	2
10	3217-5	Nut — Hex	4
11	27-4220	Valve Lever Link	1
12	283-17	Clevis Pin	1
13	321-10	Screw — Cap, Hex Hd.	1
14	32121-73	Roll Pin	1

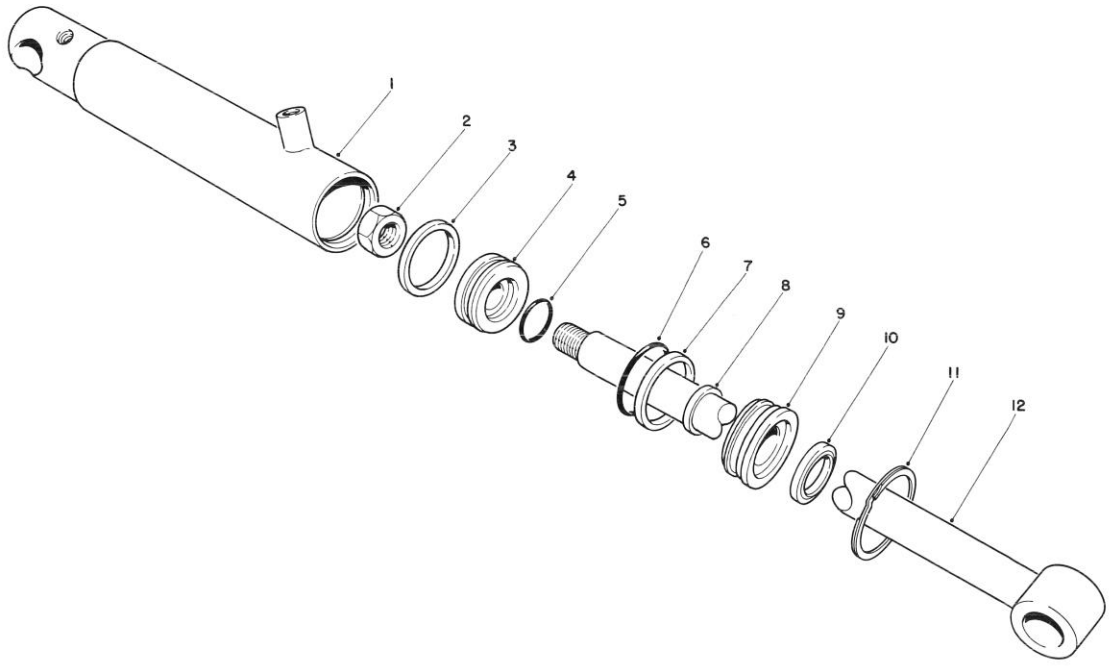


T-0692-89

VALVE ASSEMBLY NO. 43-1700

Ref. No.	Part No.	Description	No. Used
1	22-8330	Plug	1
2	237-42	O-Ring	1
3	22-8340	Spring	1
4	22-8350	Ball	1
5	22-8370	Seat — Check Valve	1
6	22-8360	Pin Cam	1
7	28-1130	Plug	1
8	28-1120	Plug	1

Ref. No.	Part No.	Description	No. Used
9		Body	1
10	22-8500	O-Ring	2
11	27-5210	Spool	1
12	22-8380	Retainer — Spring	2
13	22-8410	Spring	1
14	27-5200	Float Spacer	1
15	22-8480	Snap Ring — Spool	1
16	22-8490	Snap Ring	1

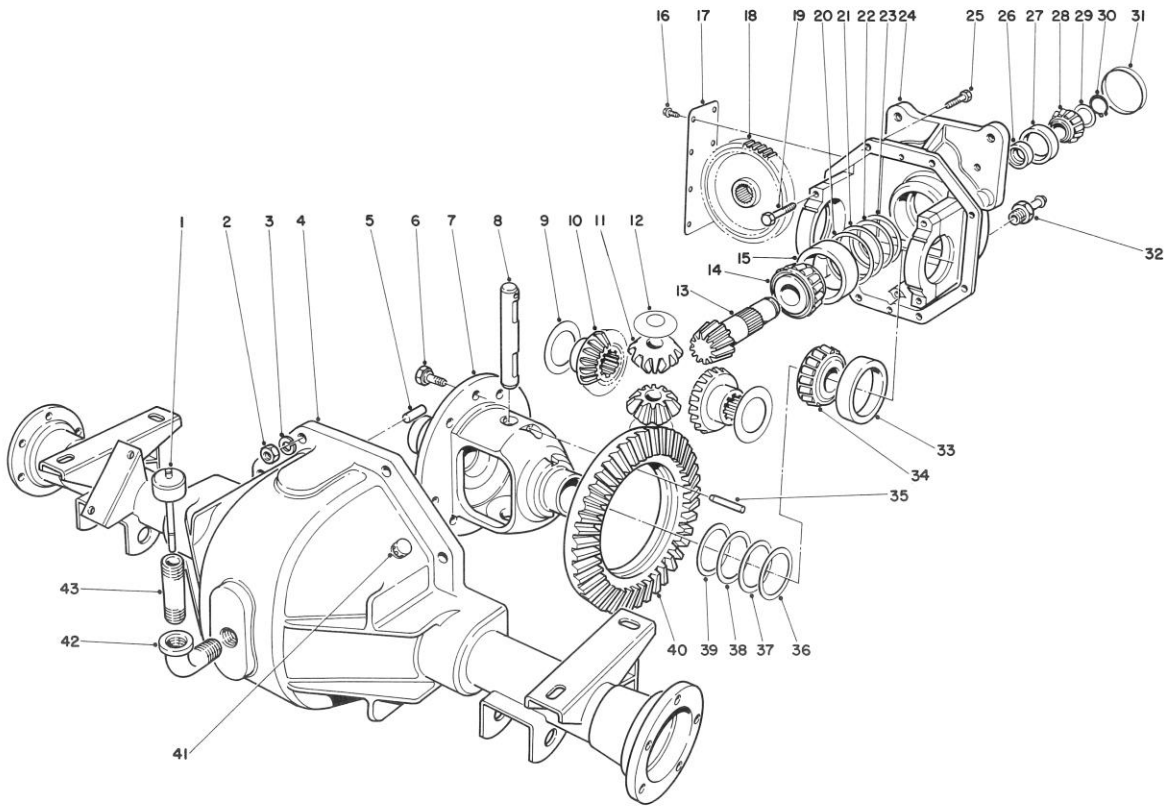


T-0689-89

HYDRAULIC CYLINDER NO. 68-9700

Ref. No.	Part No.	Description	No. Used
1		Tube Assembly	1
2	32152-10	Jam Nut	1
3		Uniring	3
4	70-2780	Piston	1
5		O-Ring	1
6		O-Ring Head	2
7		Back Up	1
8		Poly-Pack	1
9	70-2770	Head	1
10		Dust Seal	1
11	43-5220	Ring Retaining	1
12	43-5230	Shaft w/Clevis	1
*	70-2790	Seal Repair Kit (Incl. Ref. #3, 5-8 & 10)	1

*Not Illustrated



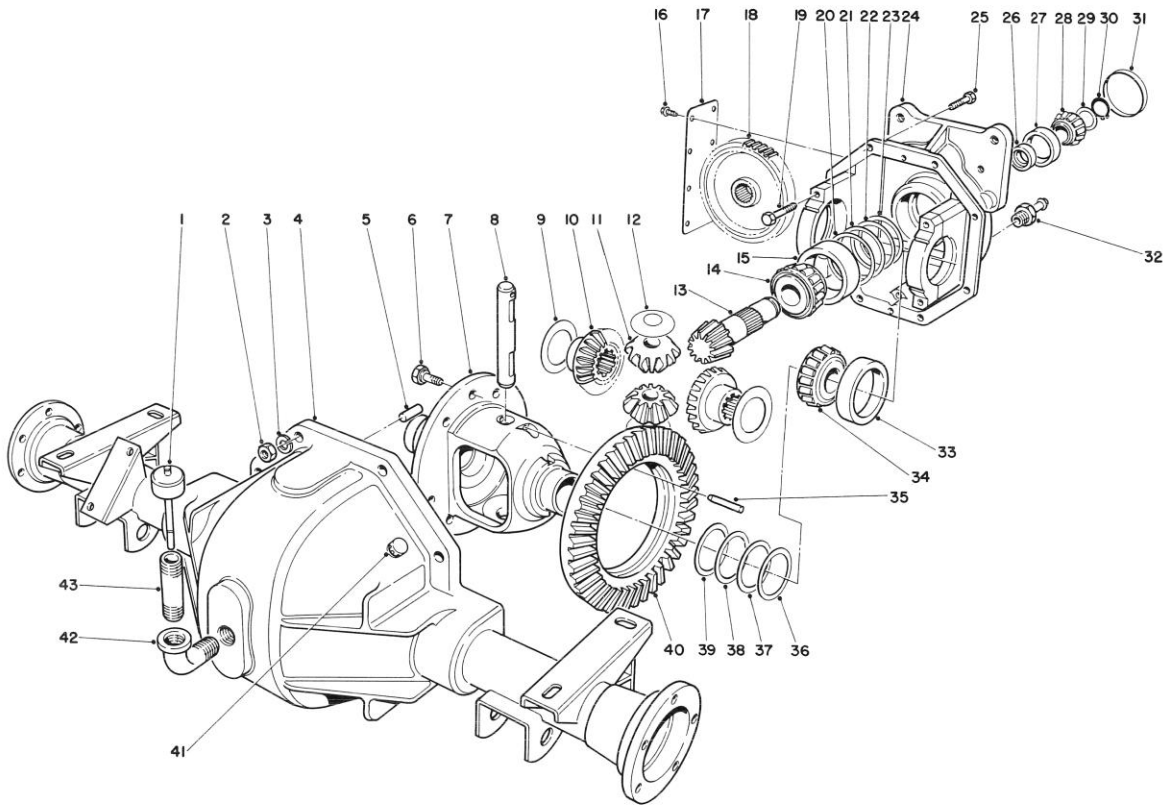
T-0690-89

DIFFERENTIAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	27-3710	Dipstick	1
2	3219-2	Nut	8
3	3255-8	Lockwasher	8
4	43-6850	Lower Housing Assembly	1
5	21-8270	Dowel Pin	2
6	21-7770	Drive Gear Screw	5
7	21-7670	Differential Case	1
8	21-7700	Pinion Mate Shaft	1
9	21-7720	Thrust Washer	2
10	24-8790	Differential Bevel Side Gear	2
11	21-7690	Pinion Gear	2
12	21-7730	Thrust Washer	2
13		Drive Pinion (Incl. Ref. #40)	1
14	43-6760	Tapered Roller Bearing Cone	1
15	43-6750	Tapered Roller Bearing Cup	1
16	12-5450	Thread Forming Screw	8
17	21-7830	Gear Cover	1
18	21-8150	Spur Gear	1
19	324-23	Capscrew	4
20	43-6710	Shim Adjusting Differential Bearing .003	A/R
21	43-6711	Shim Adjusting Differential Bearing .005	A/R
22	43-6712	Shim Adjusting Differential Bearing .010	A/R
23	43-6713	Shim Adjusting Differential Bearing .030	A/R

Ref. No.	Part No.	Description	No. Used
24	43-6860	Upper Housing Assembly (Incl. Ref. #19)	1
25	3210-7	Capscrew	8
26	21-8020	Front Pinion Bearing Spacer	1
27	254-90	Bearing Cup	1
28	254-91	Bearing Cone	1
29	46-2210	Shim Front Pinion Bearing (.031)	A/R
*	46-2211	Shim Front Pinion Bearing (.033)	A/R
*	46-2212	Shim Front Pinion Bearing (.035)	A/R
*	46-2213	Shim Front Pinion Bearing (.037)	A/R
*	46-2214	Shim Front Pinion Bearing (.039)	A/R
*	46-2215	Shim Front Pinion Bearing (.041)	A/R
*	46-2216	Shim Front Pinion Bearing (.043)	A/R
*	46-2220	Shim Front Pinion Bearing (.045)	A/R
*	46-2221	Shim Front Pinion Bearing (.047)	A/R
*	46-2222	Shim Front Pinion Bearing (.049)	A/R

*Not Illustrated



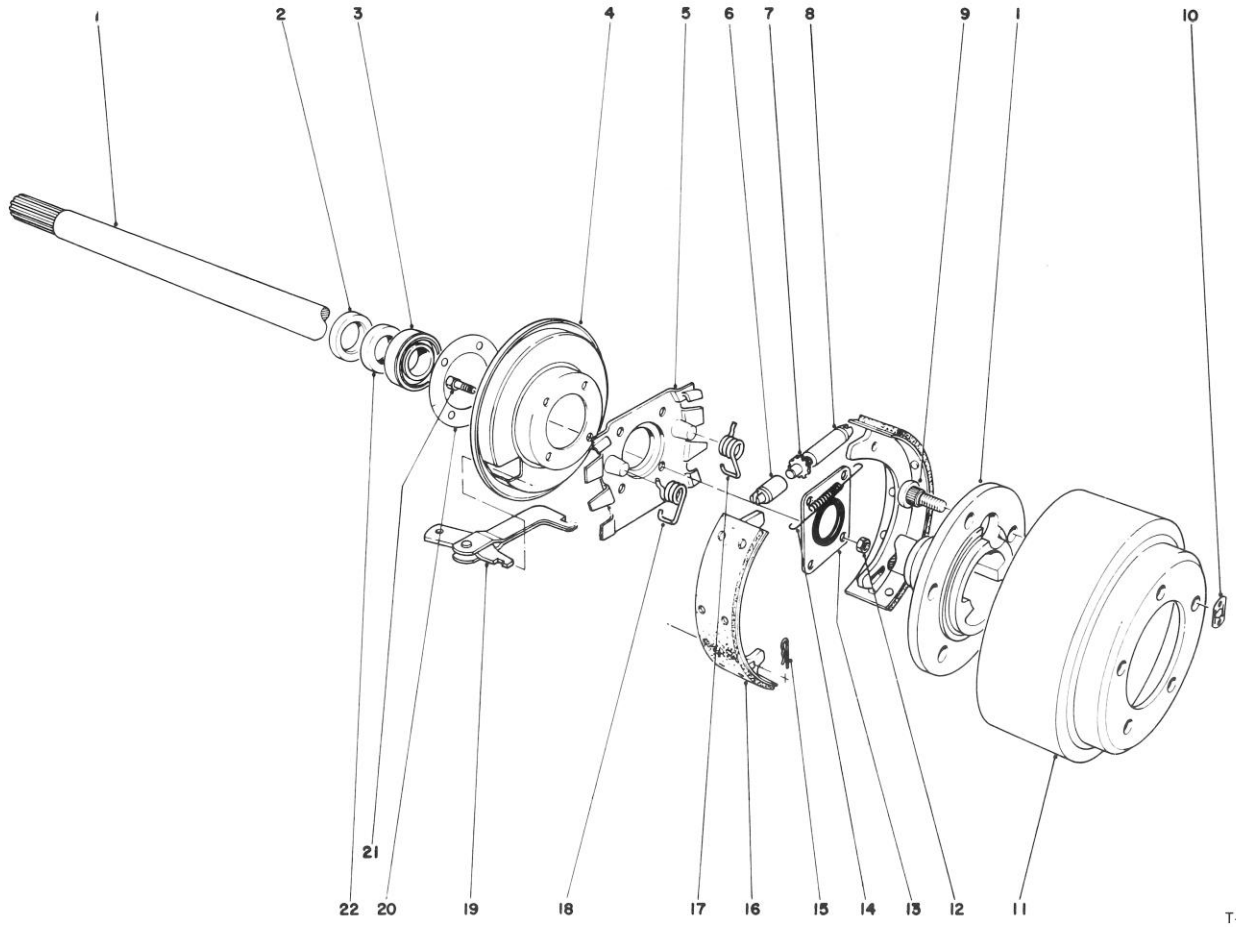
T-0690-89

DIFFERENTIAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
*	46-2223	Shim Front Pinion Bearing (.051)	A/R
*	46-2224	Shim Front Pinion Bearing (.053)	A/R
*	46-2225	Shim Front Pinion Bearing (.055)	A/R
*	46-2226	Shim Front Pinion Bearing (.057)	A/R
30	43-6550	Retaining Ring	1
31	21-7850	Cap Plug	1
32	354-18	Fitting— Hose Barb	1
33	254-66	Cup — Tapered Bearing	2

Ref. No.	Part No.	Description	No. Used
34	254-65	Cone — Tapered Bearing	2
35	32121-15	Roll Pin	1
36	21-8090	Differential Adjust. Shim. .003	A/R
37	21-8100	Differential Adjust. Shim. .005	A/R
38	21-8110	Differential Adjust. Shim. .010	A/R
39	21-8120	Differential Adjust. Shim. .030	A/R
40		Ring Gear	1
41	46-3330	Vent Tube Assembly	1
42	2811-9	Street Elbow 90°	1
43	289-38	Pipe Nipple	1
*	43-6510	Gear & Pinion Assembly (Incl. Ref. #13 & 40)	1

*Not Illustrated



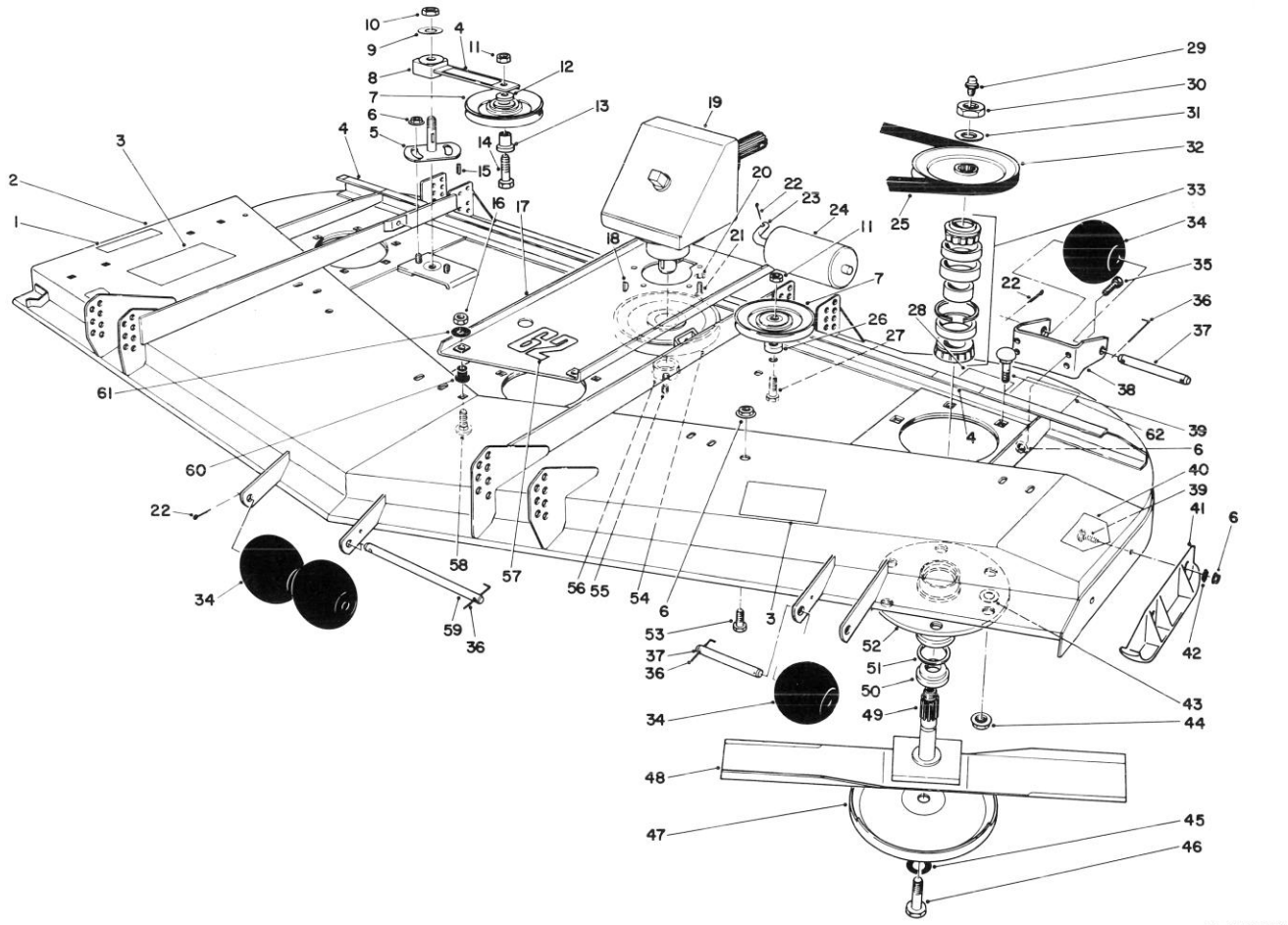
T-0535-89

BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	27-6860	Axle Shaft Flanged L.H.	1
*	27-6850	Axle Shaft Flanged R.H.	1
2	21-8330	Oil Seal	2
3	21-8180	Bearing – Tapered Roller	2
4	21-9450	Dust Shield	2
5	40-2190	Torque Spider	2
6	21-9390	Socket – Adjusting Screw	2
7	21-9370	Adjusting Screw	2
8	21-9380	Pivot Nut	2
9	242-34	Axle Flange Stud	10
10	21-8360	Clip Retaining	2
11	28-0680	Brake Drum	2

Ref. No.	Part No.	Description	No. Used
12	43-6800	Locknut – Flange Hd.	8
13	28-0670	Oil Seal	2
14	21-9440	Spring – Adjusting Screw	2
15	21-9460	Retainer – Parking Brake Lever	4
16	43-2690	Shoe & Lining Ass'y.	4
17	21-9420	Spring – Shoe Return L.H.	2
18	21-9430	Spring – Shoe Return R.H.	2
19	27-6880	Strut & Lever Parking Brake	2
20	21-8320	Gasket Wheel Bearing	2
21	28-0660	Capscrew	8
22	24-8840	Ring Wheel Bearing	2
*	21-9470	Package — Lined Shoes	2

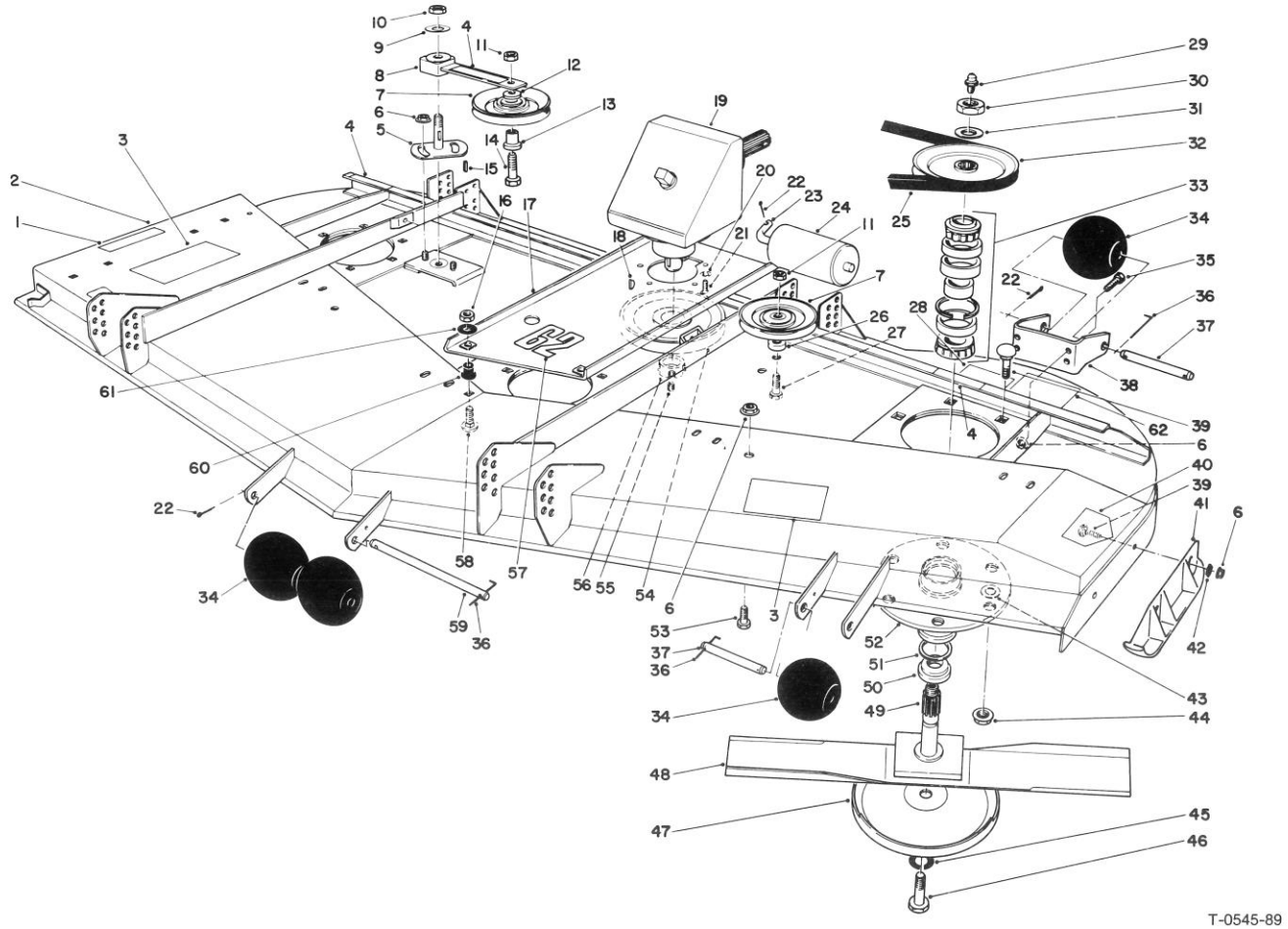
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CUTTING UNIT MODEL NO. 30564

Ref. No.	Part No.	Description	No. Used
1	66-6380	Decal, Deflector Missing	1
2	63-9840	Cutting Deck	1
3	66-1340	Decal — Danger	2
4	67-5360	Decal — Shield Missing	3
5	44-6300	Plate, Idler	1
6	3290-357	Nut, Lock	8
7	65-5940	Pulley, Idler	2
8	27-8580	Idler Socket & Bushing Assy.	1
9	3256-27	Washer	1
10	3296-33	Nut, Lock	1
11	3296-5	Nut, Lock	2
12	7-0081	Washer — Special	2
13	65-5950	Bushing — Pulley	2
14	3211-8	Screw, Cap Hex Hd.	1
15	5-1077	Key, Square	1
16	32153-2	Nut, Lock	4
17	63-9780	Base, Gear Box	1
18	3257-5	Key, Woodruff	1
19	8-0909	Gear Box	1
20	3253-21	Washer, Lock	5
21	3274-1	Screw, Cap Socket Hd.	5
22	3272-11	Cotter Pin	5
23	40-0340	Shaft, Rear Roller	2
24	36-1740	Roller, Deck	2
25	44-6260	V-Belt	1
26	44-6390	Spacer	1

Ref. No.	Part No.	Description	No. Used
27	3211-9	Screw, Cap Hex Hd.	1
28	68-8340	Decal — Blade Bolt Torque	1
29	302-2	Grease Fitting	3
30	32146-20	Nut, Jam	3
31	7-4150	Washer	3
32	44-6340	Pulley, Hub Spindle	3
33	46-8530	Bearing Assembly	3
34	29-4820	Roller	4
35	323-6	Hex Hd. Capscrew	2
36	57-0690	Cotter Pin — Special	3
37	57-0680	Shaft, Short	2
38	57-0580	Bracket — Roller Left Rear	1
39	3231-22	Bolt Carriage Short Neck	20
40	43-8480	Decal — Danger	1
41	57-0570	L.H. Skid	1
42	3290-224	Pyramidal Washer	2
43	3256-24	Washer	A/R
44	32128-21	Nut, Flange	18
45	3253-27	Washer — Lock	3
46	44-2200	Capscrew — Blade	3
47	27-1000	Anti-Scalp Cup	3
48	44-6250	Blade	3
49	27-0920	Spindle Shaft	3
50	27-0950	Spacer	3
51	253-139	Seal	6
52	61-4160	Spindle Housing	3

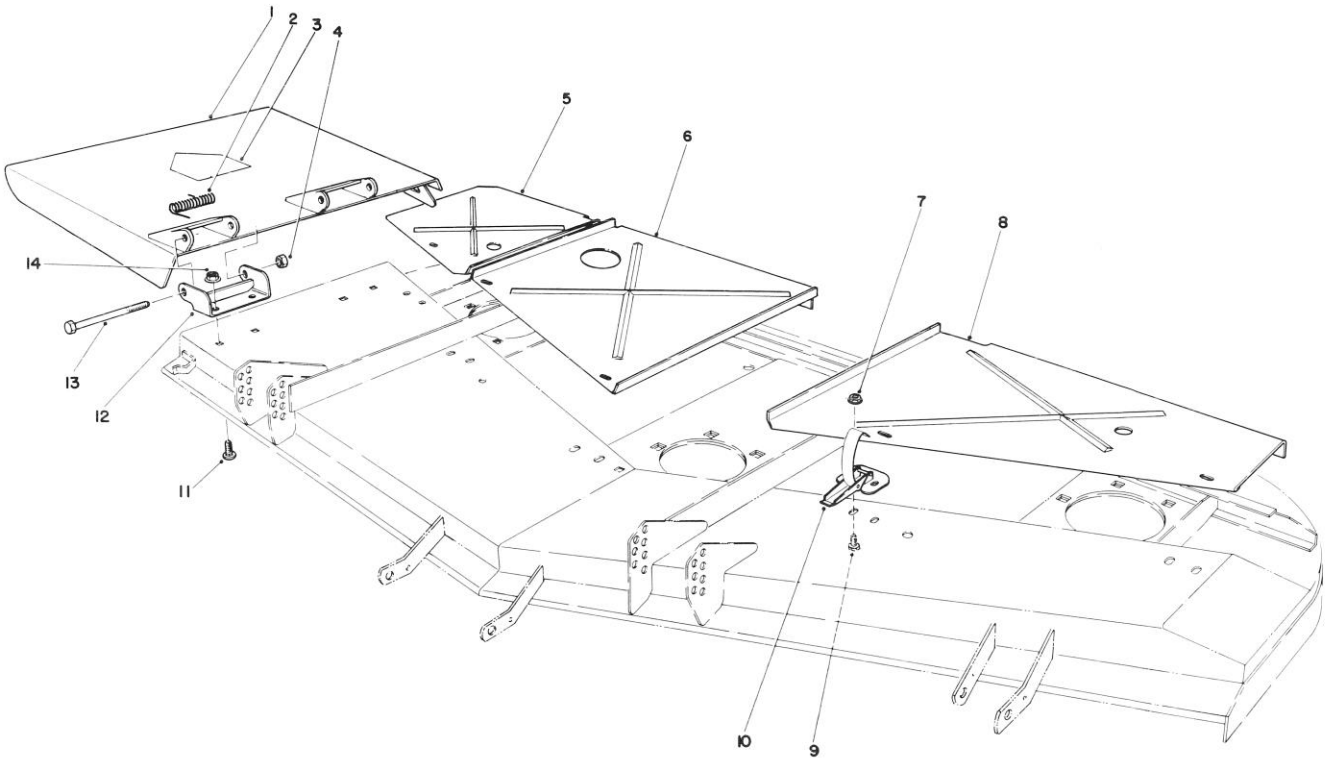


CUTTING UNIT MODEL NO. 30564 (Continued)

Ref. No.	Part No.	Description	No. Used
53	323-4	Screw, Cap Hex Hd.	2
54	63-9900	Pulley, Gear Box	1
55	3245-9	Screw — Set, Socket Hd.	2
56	27-6140	Bushing, Taper Lock (Incl. Ref. #55)	1
57	66-1630	Decal — 62	1
58	3231-26	Bolt, Carriage	4

Ref. No.	Part No.	Description	No. Used
59	40-6400	Shaft — Long	1
60	63-9750	Mount	4
61	63-8410	Washer	4
62	68-7260	Decal — Rear Weight 35	1
*	44-6370	Spindle Assembly (Incl. Ref. #29-33 & 49-52)	3

*Not Illustrated

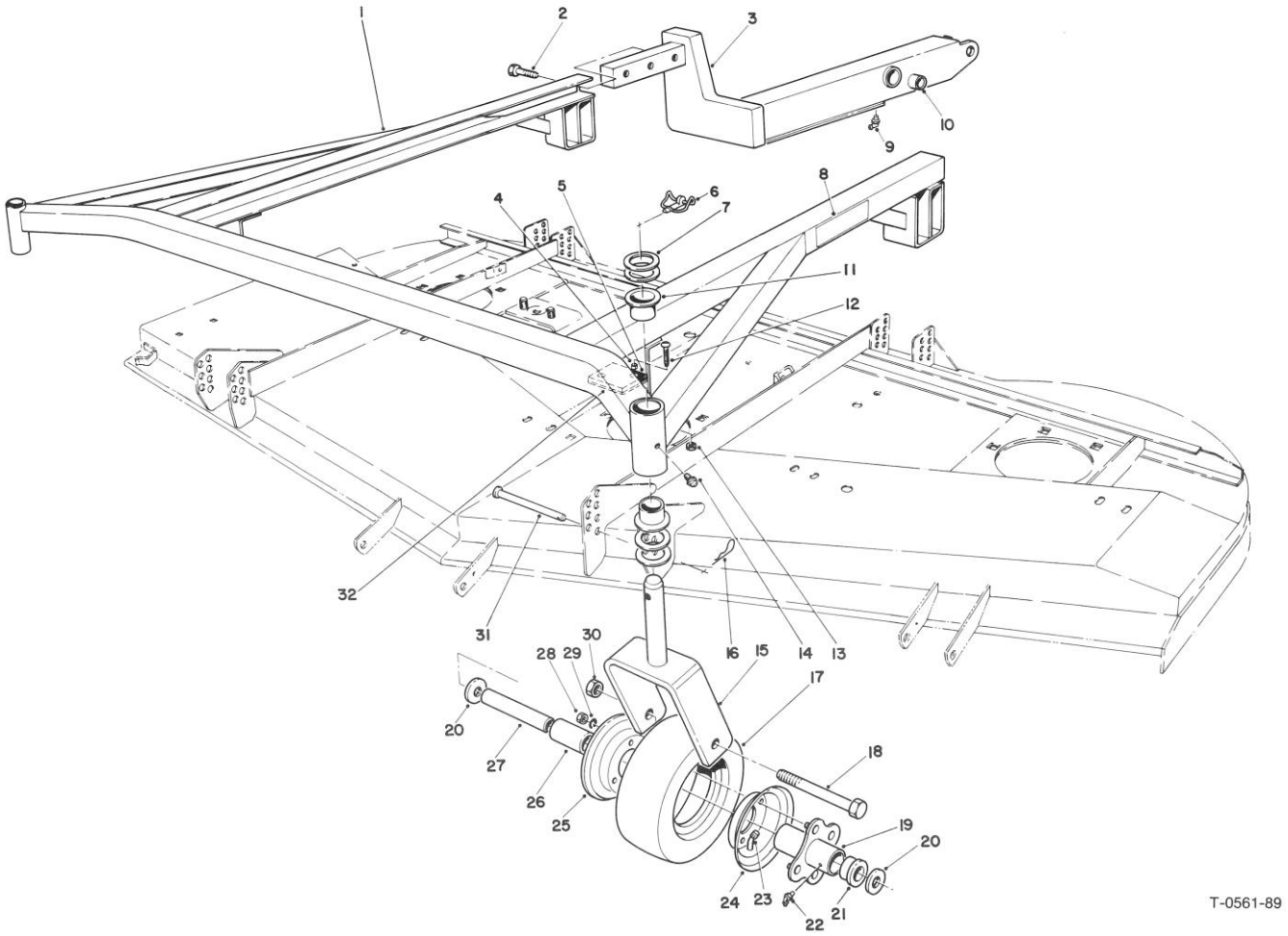


T-0560-89

CUTTING UNIT MODEL NO. 30564 (Continued)

Ref. No.	Part No.	Description	No. Used
1	52-5790	Deflector	1
2	51-1550	Spring	2
3	43-8480	Decal — Danger	1
4	32153-5	Nut — Lock	2
5	63-9830	Cover — Deck R.H.	1
6	65-5900	Cover — Deck Center	1
7	32128-17	Nut — Lock, Flange	10

Ref. No.	Part No.	Description	No. Used
8	44-6290	Cover — Deck L.H.	1
9	3290-321	Screw — Machine Hex Slotted	10
10	249-21	Latch Draw	5
11	3231-27	Bolt — Carriage	4
12	51-1530	Hinge Bracket	2
13	325-17	Screw — Cap Hex. Hd.	2
14	3290-357	Nut — Lock	4



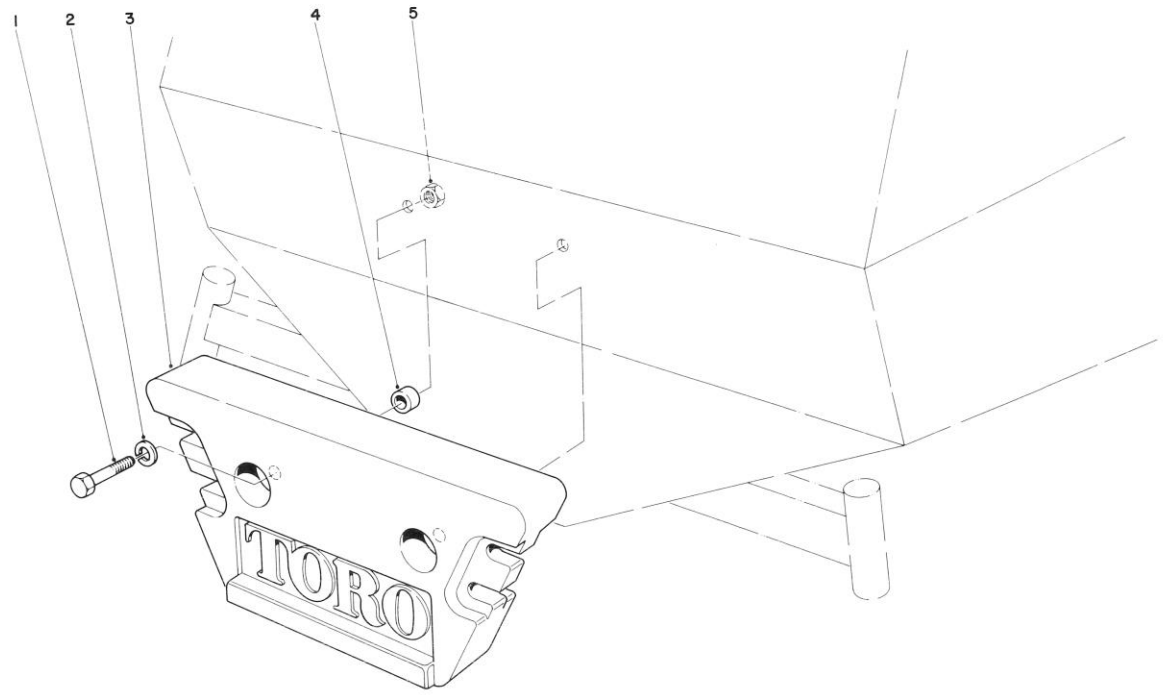
T-0561-89

CUTTING UNIT MODEL NO. 30564 (Continued)

Ref. No.	Part No.	Description	No. Used
1	67-2000	Frame (Incl. Ref. #9 & 10)	1
2	325-6	Hex Hd. Capscrew	6
3	67-1910	Lift Arm — R.H.	1
*	67-1920	Lift Arm — L.H.	1
4	40-9520	Spacer — Split	4
5	40-0330	Cushion — Rubber	2
6	3290-384	Lynch Pin	2
7	3-6781	Washer — Thrust	8
8	68-8360	Decal — H.O.C.	1
9	302-40	Grease Fitting	2
10	256-101	Bushing	4
11	28-9290	Bushing Special	4
12	32122-28	Screw — Machine Truss Hd.	4
13	3296-2	Nut — Lock	4
14	302-5	Grease Fitting	2
15	68-8900	Front Castor Fork	2
16	3290-355	Pin — Hair	4
17	68-8960	Tire	2

Ref. No.	Part No.	Description	No. Used
18	325-19	Screw Cap Hex Hd.	2
19	68-8940	Hub — Center	2
20	3256-6	Thrust Washer	4
21	62-5580	Bushing	4
22	302-61	Fitting — Grease	2
23	68-8950	Tube — w/Valve	2
24	68-8920	Wheel Half — Female	2
25	68-8930	Wheel Half — Male	2
26	62-5570	Roller Bearing	2
27	68-8980	Spanner Bushing	2
28	3217-6	Hex Nut	8
29	3253-4	Lockwasher	8
30	32153-5	Locknut	2
31	283-55	Pin Clevis	4
32	42-6200	Shim — Cushion	3
*	13-3869	Caster Wheel Assembly (Incl. Ref. #17, 19, 21-26 & 28-29)	2

*Not Illustrated

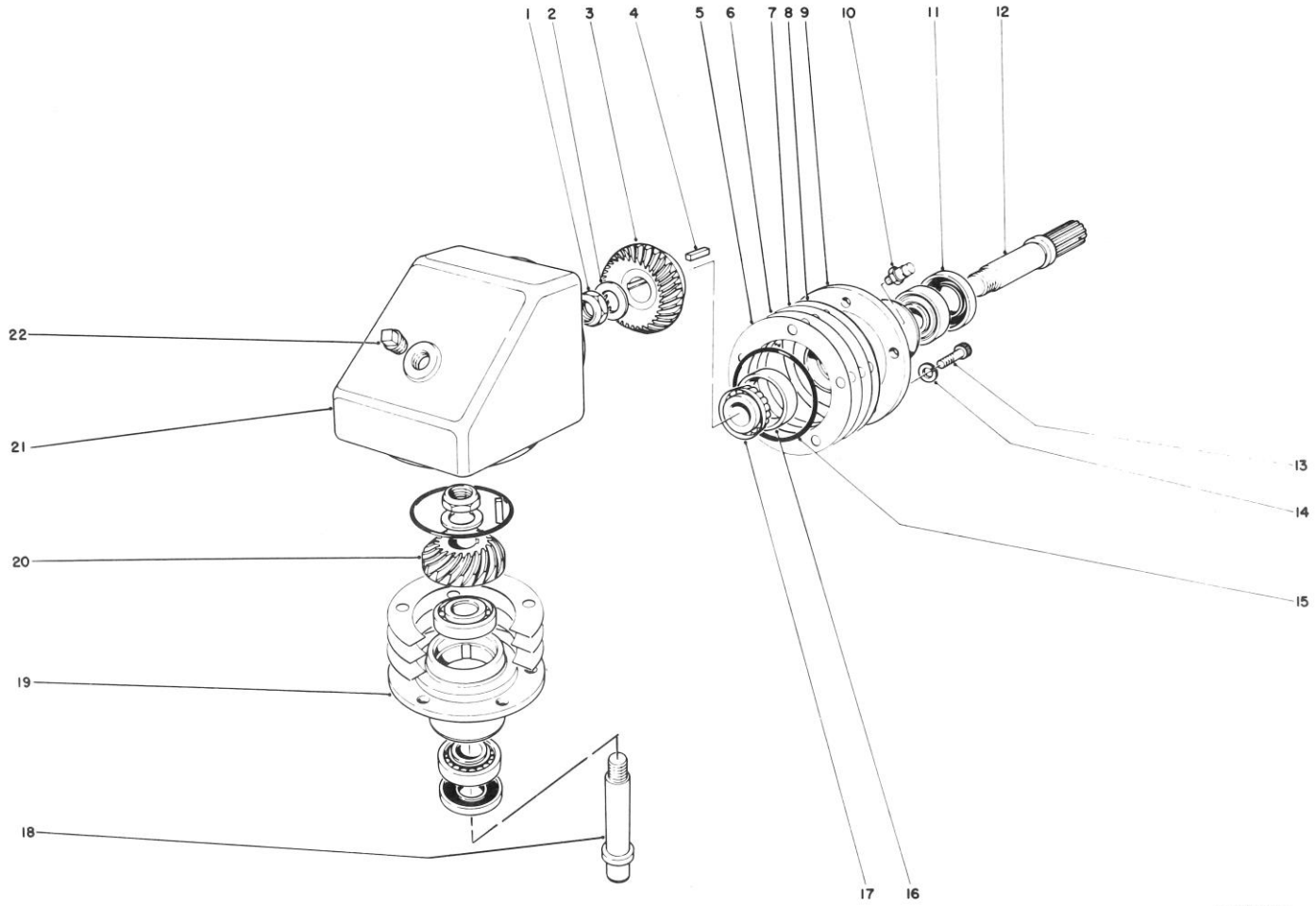


T-0562-89

REAR WEIGHT†

Ref. No.	Part No.	Description	No. Used
1†	325-8	Screw – Cap, Hex Hd.	2
2†	3253-7	Washer – Lock, Spring	2
3†	24-5790	Rear Weight	1
4†	57-4230	Spacer	2
5†	3217-9	Nut – Hex	2

†Required on Groundsmaster 220 with 62" cutting unit. Parts must be ordered separately.

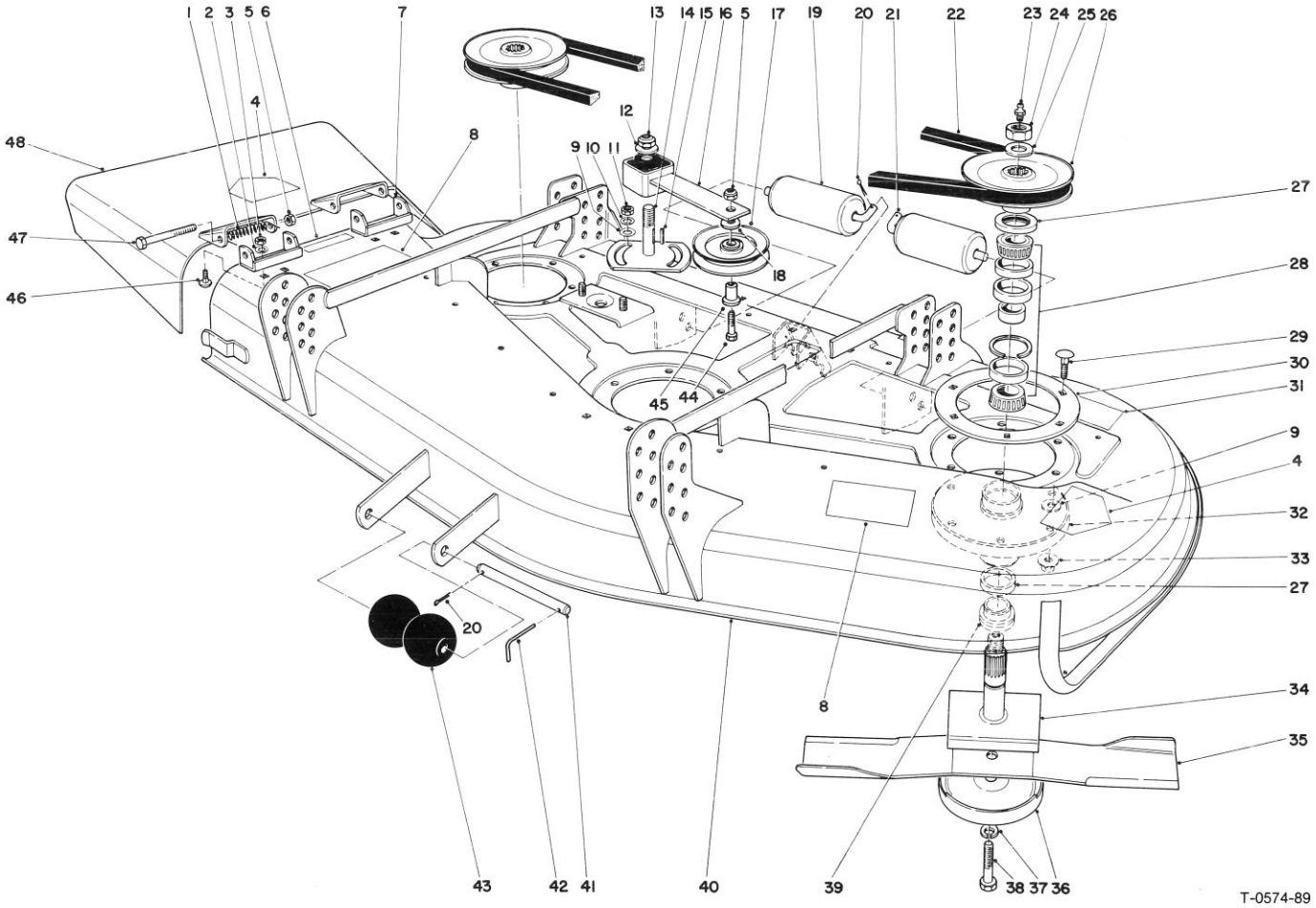


T-0563-89

GEAR BOX ASSEMBLY NO. 8-0909
CUTTING UNIT MODEL NO. 30564, 30555, 30568 & 30575

Ref. No.	Part No.	Description	No. Used
1	3296-15	Nut	2
2	3-6514	Thrust Washer	2
3	26-1340	Gear – Spiral Bevel	1
4	18-6430	Square Key	2
5	26-1350	Shim .002 Thick Red	A/R
6	26-1360	Shim .005 Thick Blue	A/R
7	26-1370	Shim .015 Thick Pink	A/R
8	33-2040	Shim .020 Thick Yellow	A/R
9	26-1290	Bearing Housing – Input	1
10	302-14	Vent Plug	1
11	253-137	Oil Seal	2
12	26-1310	Shaft – Input	1

Ref. No.	Part No.	Description	No. Used
13	3274-7	Capscrew Socket Head	5
14	3253-21	Lockwasher	5
15	237-97	O-Ring	2
16	254-90	Bearing Cup	4
17	254-91	Bearing Cone	4
18	26-1320	Shaft – Output	1
19	26-1380	Bearing Housing – Output	1
20	26-1330	Pinion Spiral	1
21	26-1270	Gear Box	1
22	281-11	Pipe Plug Sq. Hd.	1

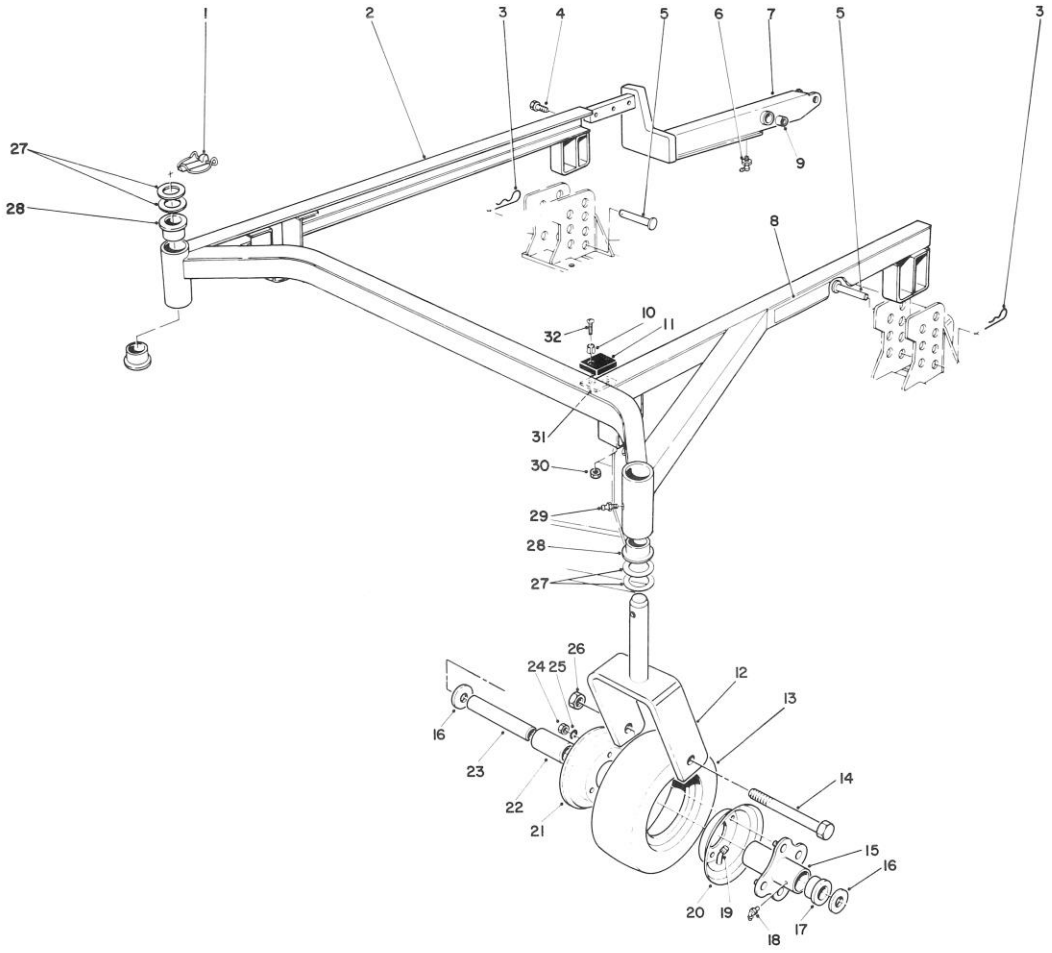


CUTTING UNIT MODEL NO. 30555

Ref. No.	Part No.	Description	No. Used
1	40-6230	Spring — Torsion	2
2	3253-4	Lockwasher	4
3	3217-6	Nut	4
4	43-8480	Decal — Danger	2
5	3296-5	Locknut	3
6	66-6380	Decal — Deflector Missing	1
7	29-5590	Pivot Bracket — Deflector	2
8	66-1340	Decal — Danger	2
9	3256-24	Washer — Flat	20
10	3253-21	Lockwasher	2
11	3218-3	Nut — Jam	2
12	3256-27	Washer — Flat	1
13	3296-33	Locknut	1
14	28-9060	Plate — Idler	1
15	5-1077	Key Square	1
16	27-8580	Idler Socket	1
17	65-5940	Pulley — Idler	1
18	7-0081	Washer — Special	1
19	36-1740	Roller — Deck	2
20	3272-11	Cotter Pin	3
21	40-0340	Shaft — Rear Roller	2
22	27-1160	V-Belt	1
23	302-2	Grease Fitting	3
24	32146-20	Locknut	3
25	7-4150	Washer	3
26	27-0970	Pulley	3

Ref. No.	Part No.	Description	No. Used
27	253-139	Seal — Wave	6
28	46-8530	Bearing Assembly	3
29	3231-22	Carriage Bolt	18
30	27-7680	Ring — Deck Support	3
31	68-8340	Decal — Blade Bolt Torque	1
32	61-4160	Spindle Housing	3
33	32128-21	Locknut — Flange	18
34	27-0920	Spindle Shaft	3
35	27-0990	Blade	3
36	27-1000	Anti-Scalp Cup	3
37	3253-27	Lockwasher	3
38	44-2200	Screw — Blade Bolt	3
39	27-0950	Spacer — Spindle Bearing	3
40	40-0020	Cutting Deck	1
41	40-6400	Shaft — Roller	1
42	57-0690	Cotter Pin — Special	1
43	29-4820	Roller	2
44	3211-8	Capscrew	1
45	65-5950	Bushing — Pulley	1
46	3230-20	Carriage Bolt	4
47	3211-15	Capscrew	2
48	40-6200	Grass Deflector	1
*	44-5480	Blade — High Sail (Optional)	3
*	27-0870	Spindle Assembly (Incl. Ref. #23-28, 32, 34 & 39)	3

*Not Illustrated



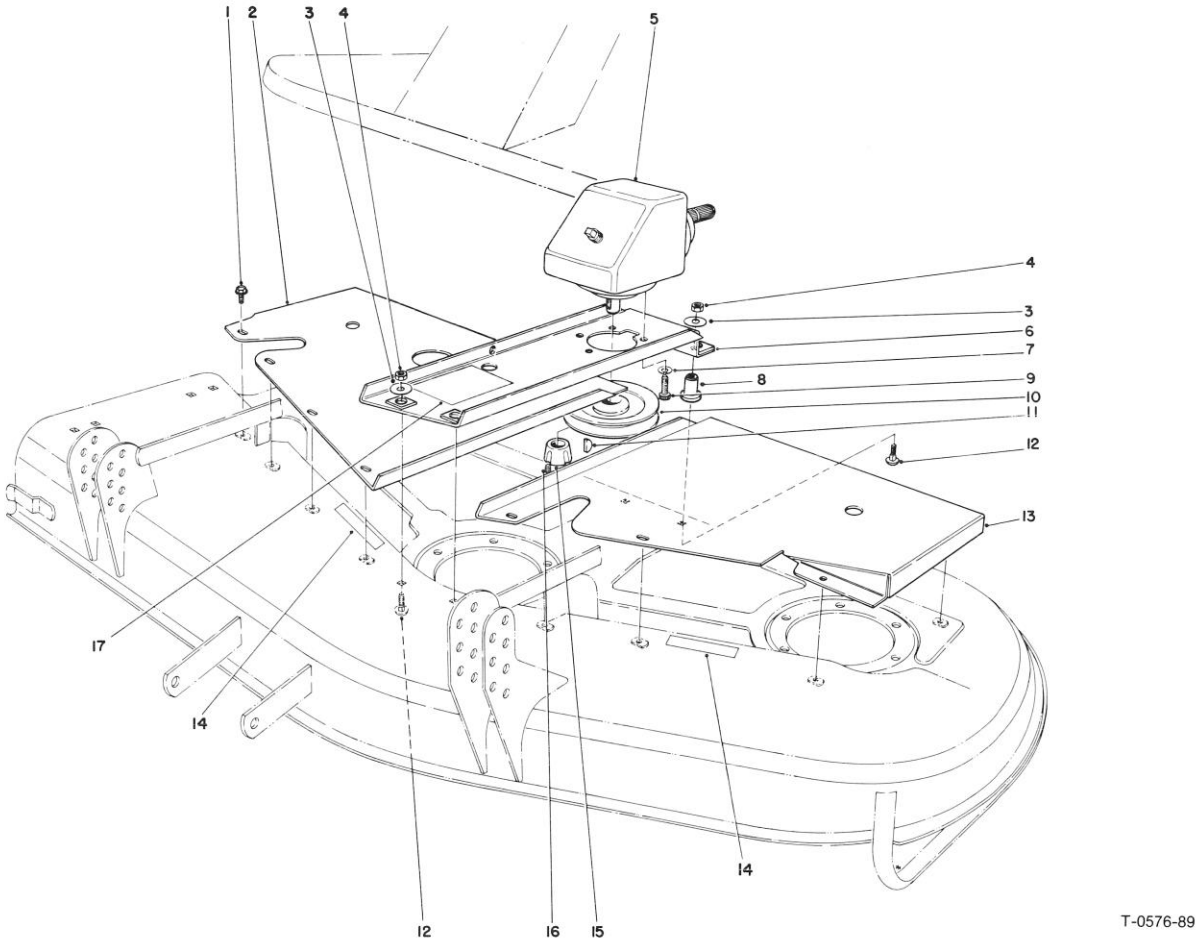
T-0629-89

CUTTING UNIT MODEL NO. 30555 (Continued)

Ref. No.	Part No.	Description	No. Used
1	3290-384	Lynch Pin	2
2	67-2110	Frame — Deck Suspension (Incl. Ref. #28)	1
3	3290-355	Pin — Hair	4
4	325-6	Hex Hd. Capscrew	6
5	283-55	Pin Clevis	4
6	302-40	Grease Fitting	2
7	67-1910	Lift Arm — R.H.	1
*	67-1920	Lift Arm — L.H.	1
8	68-8360	Decal — H.O.C.	1
9	256-101	Bushing	4
10	40-9520	Spacer — Split	4
11	40-0330	Cushion — Rubber	2
12	68-8900	Front Castor Fork	2
13	68-8960	Tire	2
14	325-19	Screw — Cap Hex Hd.	2
15	68-8940	Hub — Center	2
16	3256-6	Thrust Washer	4
17	62-5580	Bushing	4

Ref. No.	Part No.	Description	No. Used
18	302-61	Fitting — Grease	2
19	68-8950	Tube w/Valve	2
20	68-8920	Wheel Half — Female	2
21	68-8930	Wheel Half — Male	2
22	62-5570	Roller Bearing	2
23	68-8980	Spanner Bushing	2
24	3217-6	Hex Nut	8
25	3253-4	Lockwasher	8
26	32153-5	Nut — Lock	2
27	3-6781	Washer — Thrust	8
28	28-9290	Bushing — Special	4
29	302-5	Grease — Fitting	2
30	3296-2	Locknut	4
31	42-6200	Shim Cushion	A/R
32	32122-28	Machine Screw Truss Head	4
*	13-3869	Castor Wheel Assembly (Incl. Ref. #13, 15, 17-22 & 24-25)	2

*Not Illustrated

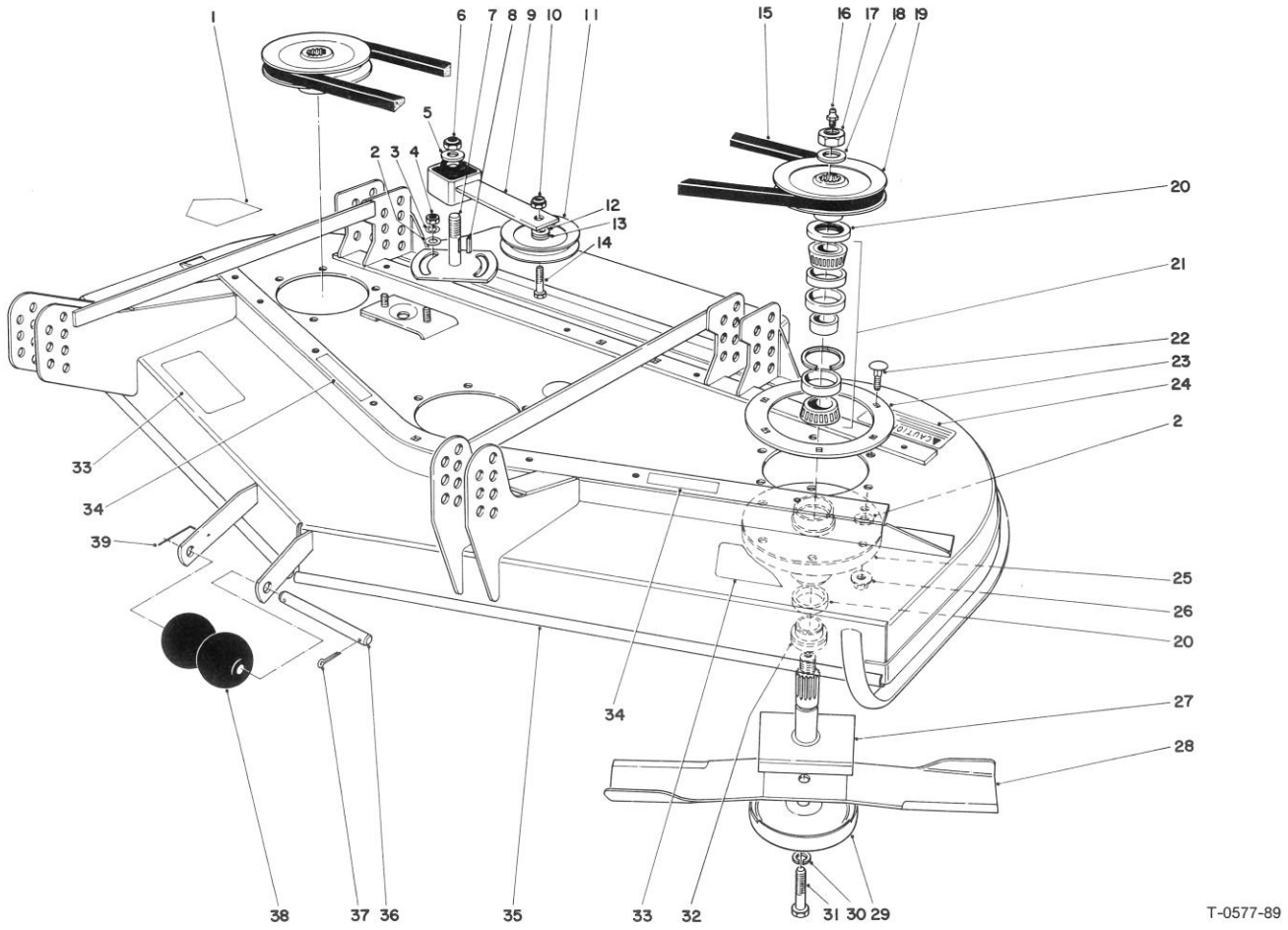


T-0576-89

CUTTING UNIT MODEL NO. 30555 (Continued)

Ref. No.	Part No.	Description	No. Used
1	46-8560	Self Tapping Screw Hex Hd. w/Locking Flange	11
2	40-0410	Cover R.H.	1
3	63-8410	Lockwasher	4
4	32153-2	Nut	4
5	8-0909	Gear Box Assembly	1
6	63-9760	Base — Gear Box	1
7	3253-21	Lockwasher	5
8	63-9750	ISO Mount — Gear Box	4
9	3274-1	Capscrew — Socket Hd.	5

Ref. No.	Part No.	Description	No. Used
10	63-9900	Pulley — Gear Box	1
11	3257-5	Key Woodruff	1
12	3231-26	Carriage Bolt	4
13	40-0390	Cover L.H.	1
14	67-5360	Decal — Shield Missing	2
15	27-6140	Bushing — Taper Lock (Incl. Ref. #16)	1
16	3245-9	Set Screw — Socket Hd.	1
17	51-3960	Decal — 52"	1

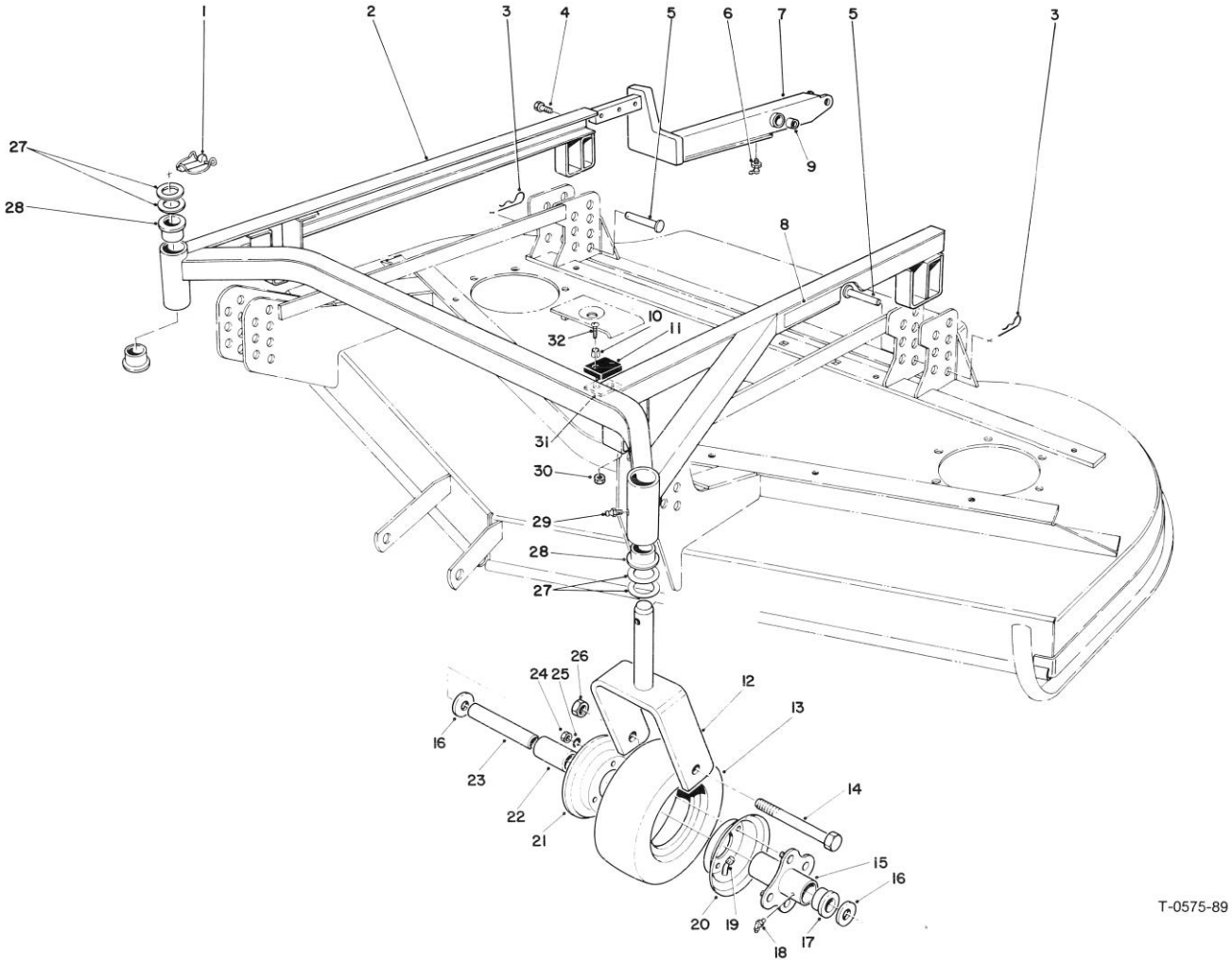


CUTTING UNIT MODEL NO. 30568

Ref. No.	Part No.	Description	No. Used
1	43-8480	Decal — Danger	1
2	3256-24	Washer — Plain	20
3	3253-31	Washer — Lock	2
4	3218-3	Nut — Jam	2
5	3256-27	Washer — Plain	1
6	3296-33	Nut — Lock	1
7	28-9060	Plate — Idler	1
8	5-1077	Key Square	1
9	27-8580	Idler Socket	1
10	3296-5	Nut — Lock	1
11	65-5940	Pulley — Idler	1
12	7-0081	Washer	1
13	65-5950	Bushing	1
14	3211-8	Screw — Cap Hex Hd.	1
15	27-1160	V-Belt	1
16	302-2	Grease Fitting	3
17	32146-20	Nut — Hex Lock Jam	3
18	7-4150	Washer	3
19	27-0970	Pulley	3
20	253-139	Seal — Wave	6

Ref. No.	Part No.	Description	No. Used
21	46-8530	Bearing Assembly	3
22	3231-22	Bolt — Carriage	18
23	27-7680	Ring Deck Support	2
24	68-8340	Decal — Blade Bolt Torque	1
25	61-4160	Housing — Spindle	3
26	32128-21	Nut — Locking Flange	18
27	27-0920	Spindle Shaft	3
28	27-0990	Blade	3
29	27-1000	Cup — Anti Scalp	3
30	3253-27	Washer — Lock	3
31	44-2200	Screw — Blade	3
32	27-0950	Spacer — Spindle Bearing	3
33	66-1340	Decal — Danger	2
34	67-5360	Decal — Shield Missing	2
35	42-4650	Cutting Deck	1
36	40-6400	Shaft — Roller	1
37	3272-11	Pin — Cotter	1
38	29-4820	Roller	2
39	57-0690	Cotter Pin Special	1
*	27-0870	Spindle Assembly (Incl. Ref. #16-21, 25, 27, 32)	3

*Not Illustrated



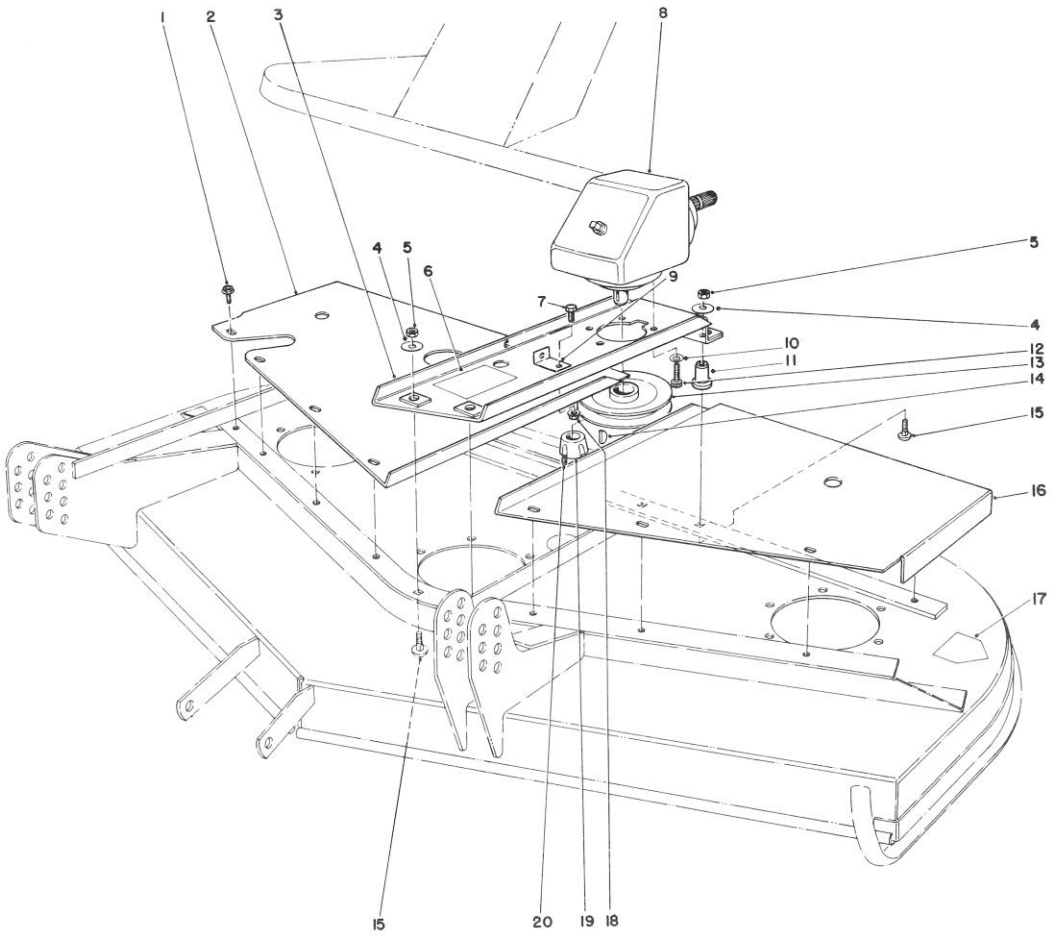
T-0575-89

CUTTING UNIT MODEL NO. 30568 (Continued)

Ref. No.	Part No.	Description	No. Used
1	3290-384	Lynch Pin	2
2	67-2110	Frame — Deck Assembly (Incl. Ref. #28)	1
3	3290-355	Pin — Hair	4
4	325-6	Hex Hd. Capscrew	6
5	283-55	Pin Clevis	4
6	302-40	Grease Fitting	2
7	67-1910	Lift Arm — R.H. (Incl. Ref. #6 & 9)	1
*	67-1920	Lift Arm — L.H. (Incl. Ref. #6 & 9)	1
8	71-2760	Decal — H.O.C.	1
9	256-101	Bushing	4
10	40-9520	Spacer — Split	4
11	40-0330	Cushion Rubber	2
12	68-8900	Front Castor Fork	2
13	68-8960	Tire	2
14	325-19	Screw — Cap. Hex. Hd.	2
15	68-8940	Hub — Center	2

Ref. No.	Part No.	Description	No. Used
16	3256-6	Thrust Washer	4
17	62-5580	Bushing	4
18	302-61	Fitting — Grease	2
19	68-8950	Tube w/Valve	2
20	68-8920	Wheel Half — Female	2
21	68-8930	Wheel Half — Male	2
22	62-5570	Roller Bearing	2
23	68-8980	Spanner Bushing	2
24	3217-6	Hex Nut	8
25	3253-4	Lockwasher	8
26	32153-5	Nut — Lock	2
27	3-6781	Washer — Thrust	8
28	28-9290	Bushing — Special	4
29	302-5	Fitting — Grease	2
30	3296-2	Nut — Lock	4
31	42-6200	Shim — Cushion	3
32	32122-28	Screw — Machine Truss Hd.	4
*	13-3869	Castor Wheel Assembly (Incl. Ref. #13, 15, 17-22 & 24-25)	2

*Not Illustrated

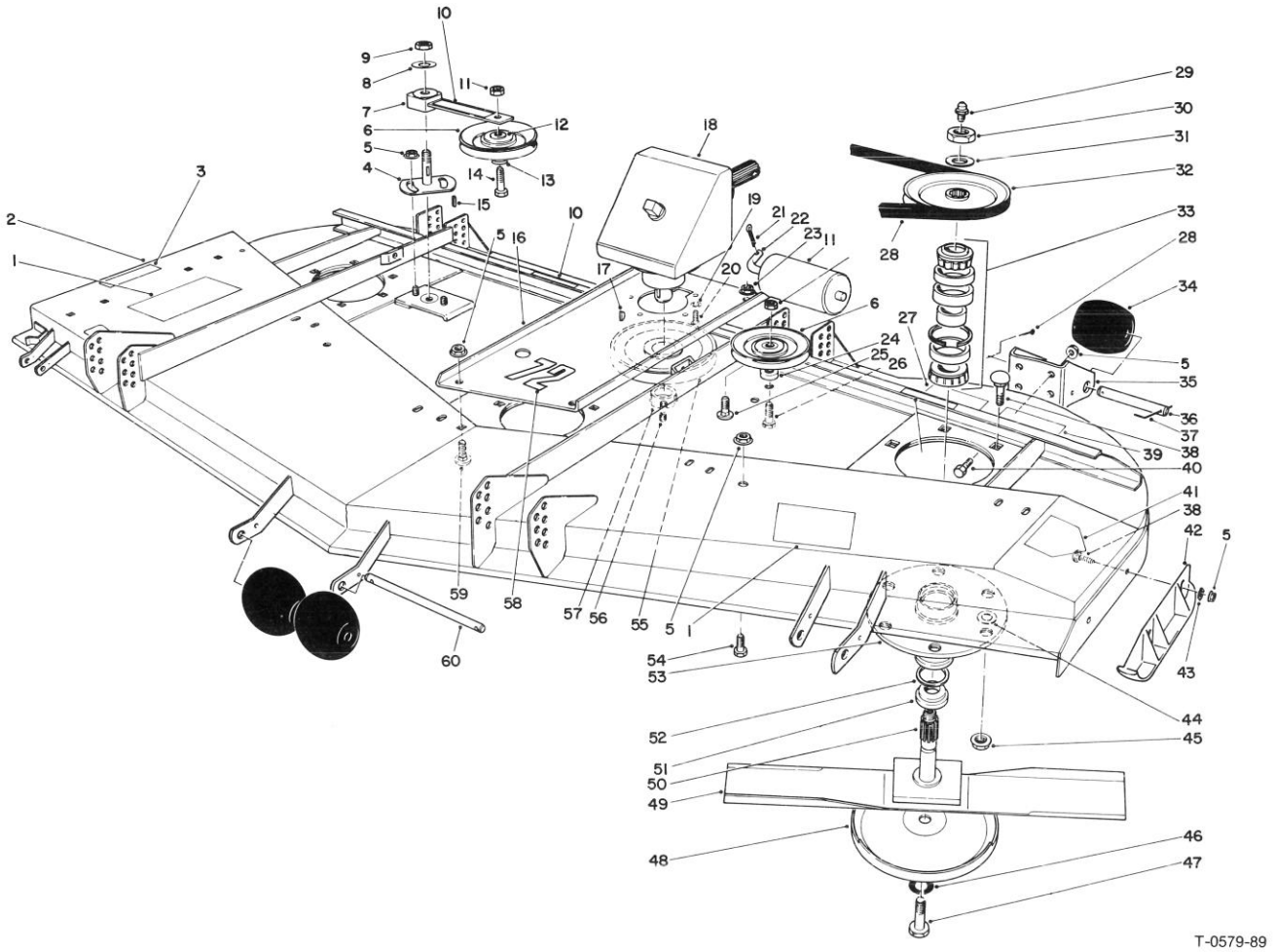


T-0578-89

CUTTING UNIT MODEL NO. 30568 (Continued)

Ref. No.	Part No.	Description	No. Used
1	46-8560	Screw Self Tapping Flange Hex. Hd.	11
2	40-0410	Cover R.H.	1
3	63-9760	Base — Gear Box	1
4	63-8410	Washer — Lock	4
5	32153-2	Nut	4
6	51-3960	Decal — "52"	1
7	322-4	Screw — Cap Hex. Hd.	2
8	8-0909	Gear Box	1
9	46-3590	Bracket — Extension	1
10	3253-21	Lockwasher	5

Ref. No.	Part No.	Description	No. Used
11	63-9750	ISO Mount — Gear Box	4
12	3274-1	Capscrew Socket Hd.	5
13	63-9900	Pulley	1
14	3257-5	Key Woodruff	1
15	3231-29	Bolt — Carriage	4
16	42-4660	Cover L.H.	1
17	43-8480	Decal — Danger	1
18	32128-20	Nut — Lock Flange Hex	2
19	27-6140	Bushing — Taper Lock (Incl. Ref. #20)	1
20	3245-9	Set Screw Socket Hd.	1

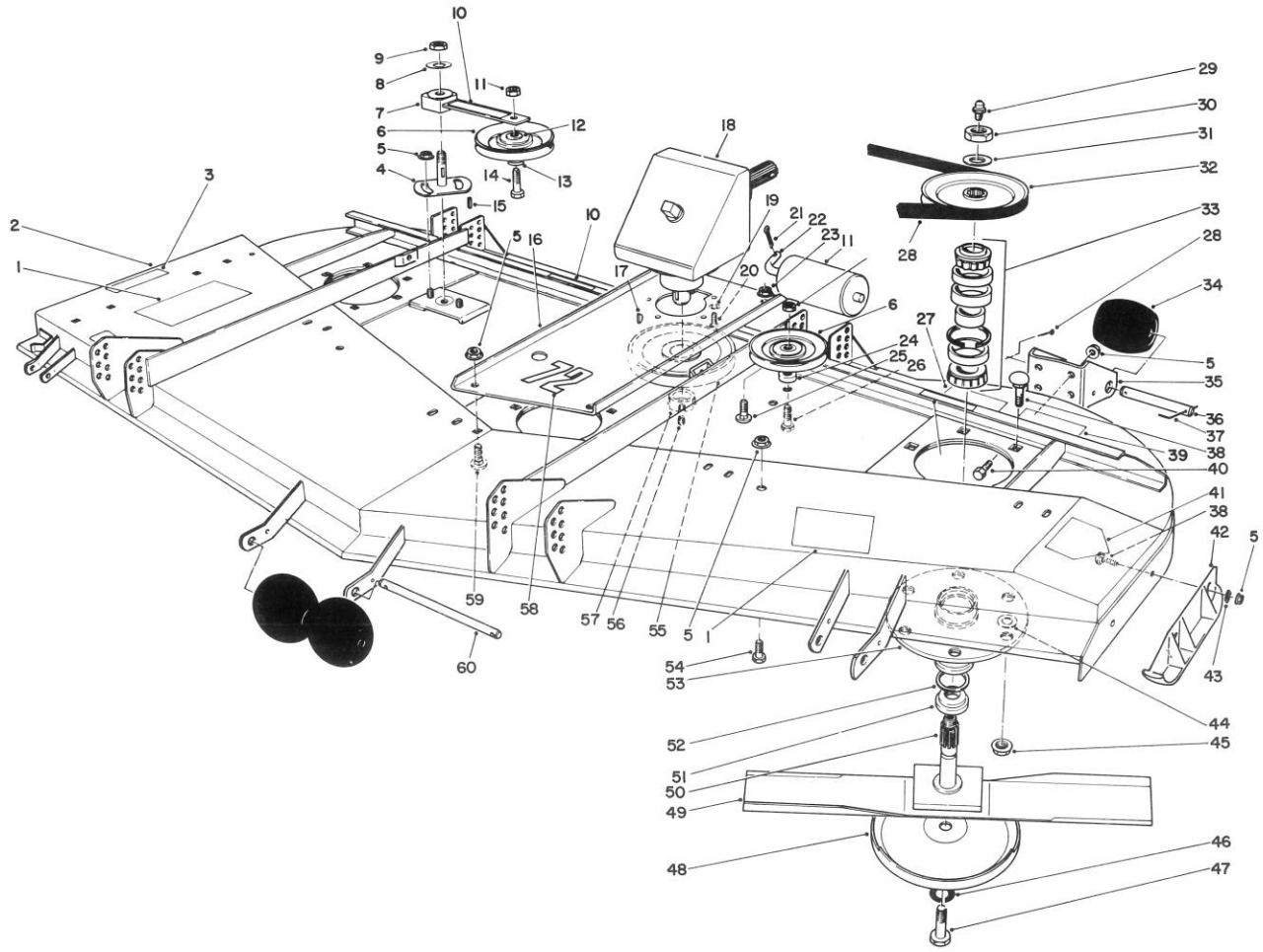


CUTTING UNIT MODEL NO. 30575

Ref. No.	Part No.	Description	No. Used
1	66-1340	Decal — Danger	2
2	57-0300	Housing	1
3	66-6380	Decal — Deflector Missing	1
4	44-6300	Idler Plate	1
5	3290-357	Nut — Lock	14
6	65-5940	Pulley — Idler	2
7	27-8580	Idler Socket & Bushing Assembly	1
8	3256-27	Washer	1
9	3296-33	Nut — Lock	1
10	67-5360	Decal — Shield Missing	3
11	3296-5	Nut — Lock	2
12	7-0081	Washer — Special	2
13	65-5950	Bushing — Pulley	2
14	3211-8	Screw — Cap Hex. Hd.	1
15	5-1077	Key Square	1
16	57-0540	Base — Gear Box	1
17	3257-5	Key — Woodruff	1
18	8-0909	Gear Box	1
19	3253-21	Washer — Lock	5
20	3274-1	Screw — Cap Socket Hd.	5
21	3272-11	Pin — Cotter	7
22	40-0340	Shaft — Rear Roller	2

Ref. No.	Part No.	Description	No. Used
23	36-1740	Roller — Deck	2
24	44-6390	Spacer	1
25	3231-27	Bolt — Carriage	2
26	3211-9	Screw — Cap Hex. Hd.	1
27	68-8340	Decal — Blade Bolt Torque	1
28	57-0240	V-Belt	1
29	302-2	Fitting Grease	3
30	32146-20	Nut — Hex Jam	3
31	7-4150	Washer	3
32	57-0560	Pulley	3
33	46-8530	Bearing Assembly	3
34	29-4820	Roller	6
35	57-0580	Bracket — Roller Left Rear	1
*	57-0590	Bracket — Roller Right Rear	1
36	57-0680	Roller Shaft	4
37	57-0690	Cotter Pin — Special	5
38	3231-22	Bolt — Carriage	20
39	68-7270	Decal — Rear Weight 70	1
40	323-7	Screw — Cap Hex. Hd.	4
41	43-8480	Decal — Danger	1
42	57-0570	Skid	1
43	3290-224	Washer — Lock	2
44	3256-24	Washer	A/R

*Not Illustrated



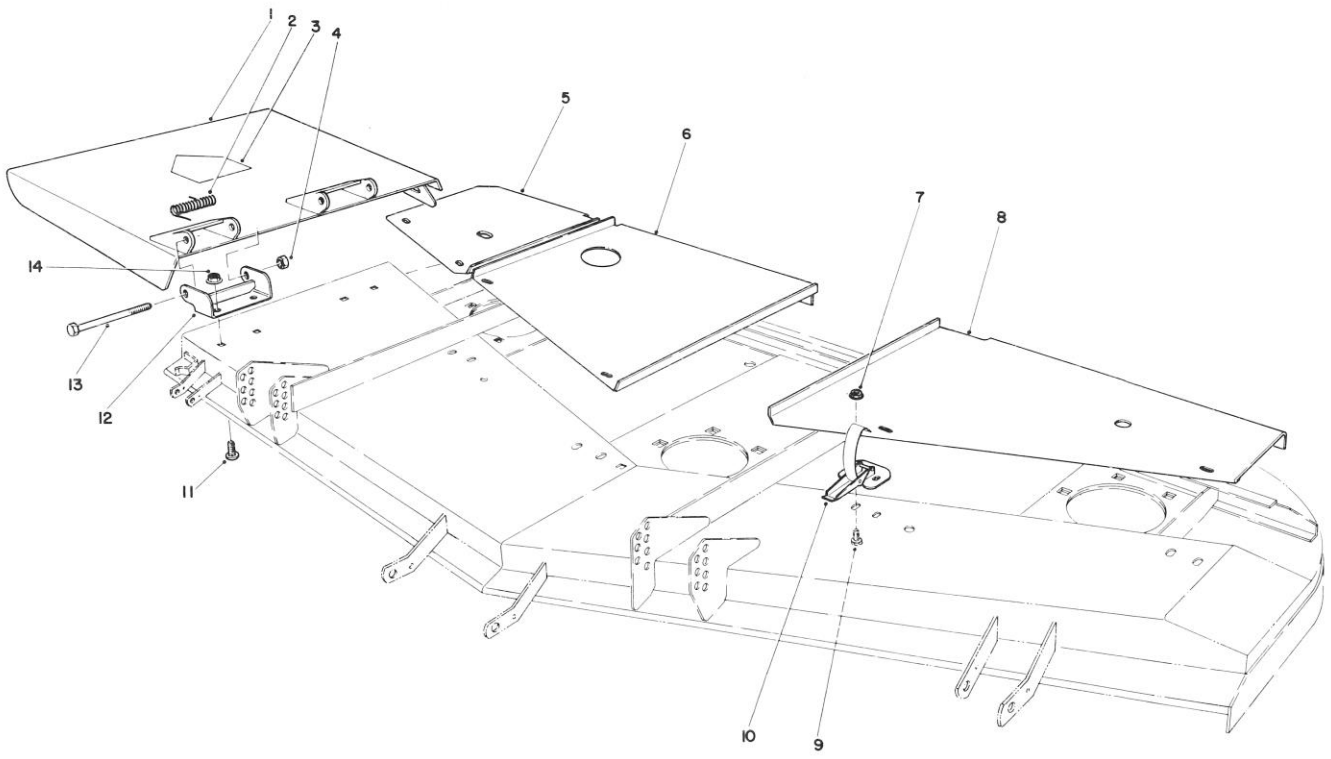
T-0579-89

CUTTING UNIT MODEL NO. 30575 (Continued)

Ref. No.	Part No.	Description	No. Used
45	32128-21	Nut — Lock Flange	18
46	3253-27	Washer — Lock	3
47	44-2200	Capscrew Blade	3
48	27-1000	Anti-Scalp Cup	3
49	57-0250	Blade	3
50	27-0920	Spindle Shaft	3
51	27-0950	Spacer — Spindle Bearing	3
52	253-139	Seal — Wave	6
53	61-4160	Spindle Housing	3
54	323-4	Screw — Cap Hex. Hd.	2

Ref. No.	Part No.	Description	No. Used
55	27-6110	Pulley — Gear Box	1
56	3245-9	Screw — Set Socket Hd.	2
57	27-6140	Bushing Taper Lock (Incl. Ref. #56)	1
58	57-0280	Decal — 72	1
59	3231-21	Bolt — Carriage	2
60	40-6400	Shaft — Roller	1
*	57-0260	Spindle Housing Assembly (Incl. Ref. #29-33, 50-53)	3

*Not Illustrated

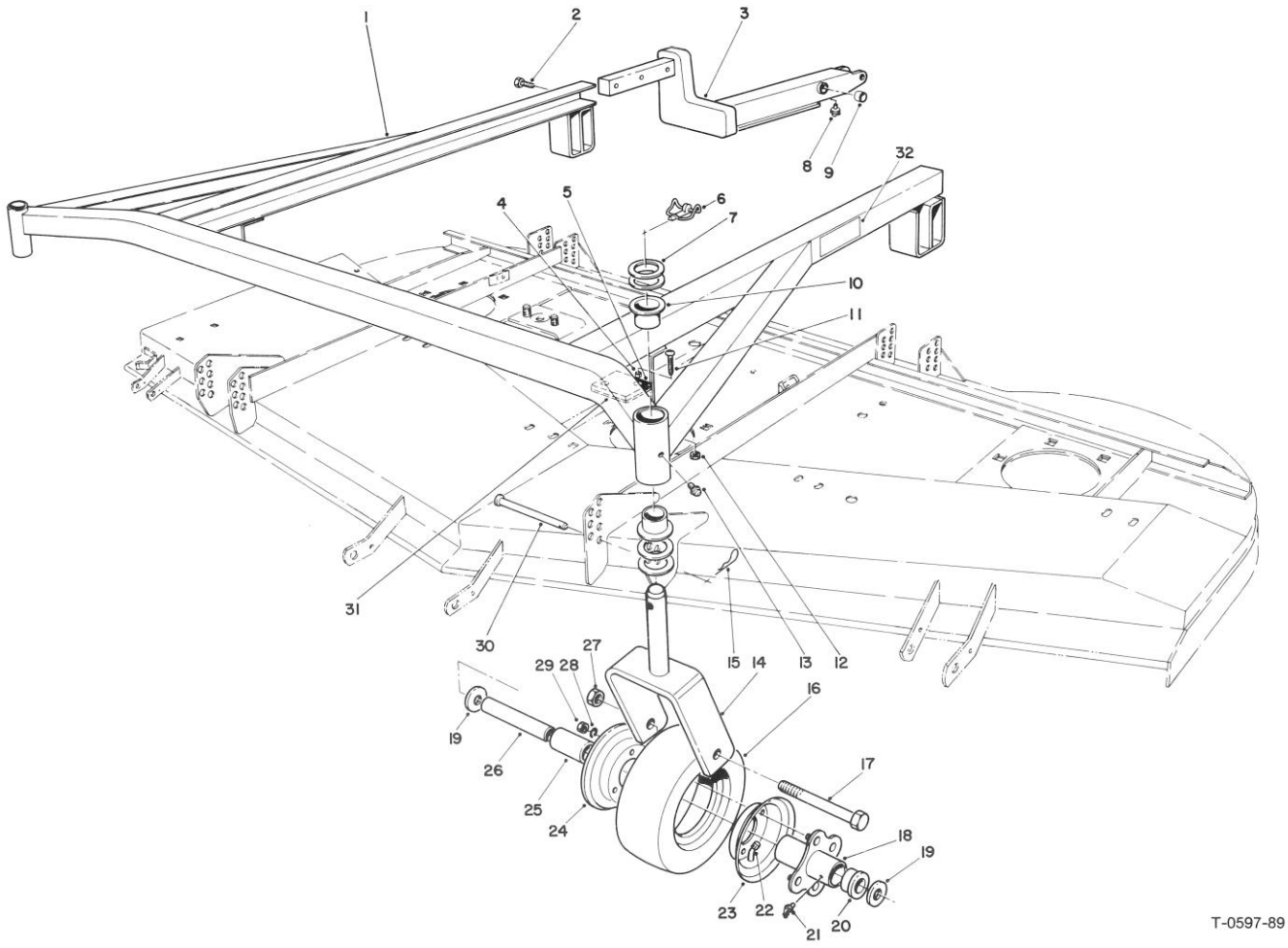


T-0589-89

CUTTING UNIT MODEL NO. 30575 (Continued)

Ref. No.	Part No.	Description	No. Used
1	52-5790	Deflector	1
2	51-1550	Spring	2
3	43-8480	Decal — Danger	1
4	32153-5	Nut — Lock	2
5	57-0230	Cover R.H.	1
6	57-0210	Cover — Center	1
7	32128-17	Nut — Lock	12

Ref. No.	Part No.	Description	No. Used
8	57-0220	Cover L.H.	1
9	3290-321	Screw — Machine Hex Slotted	12
10	249-21	Latch — Draw	6
11	3231-27	Bolt — Carriage	4
12	51-1530	Hinge Bracket	2
13	325-17	Screw — Cap Hex. Hd.	2
14	3290-357	Nut — Lock, Hex Flange	4



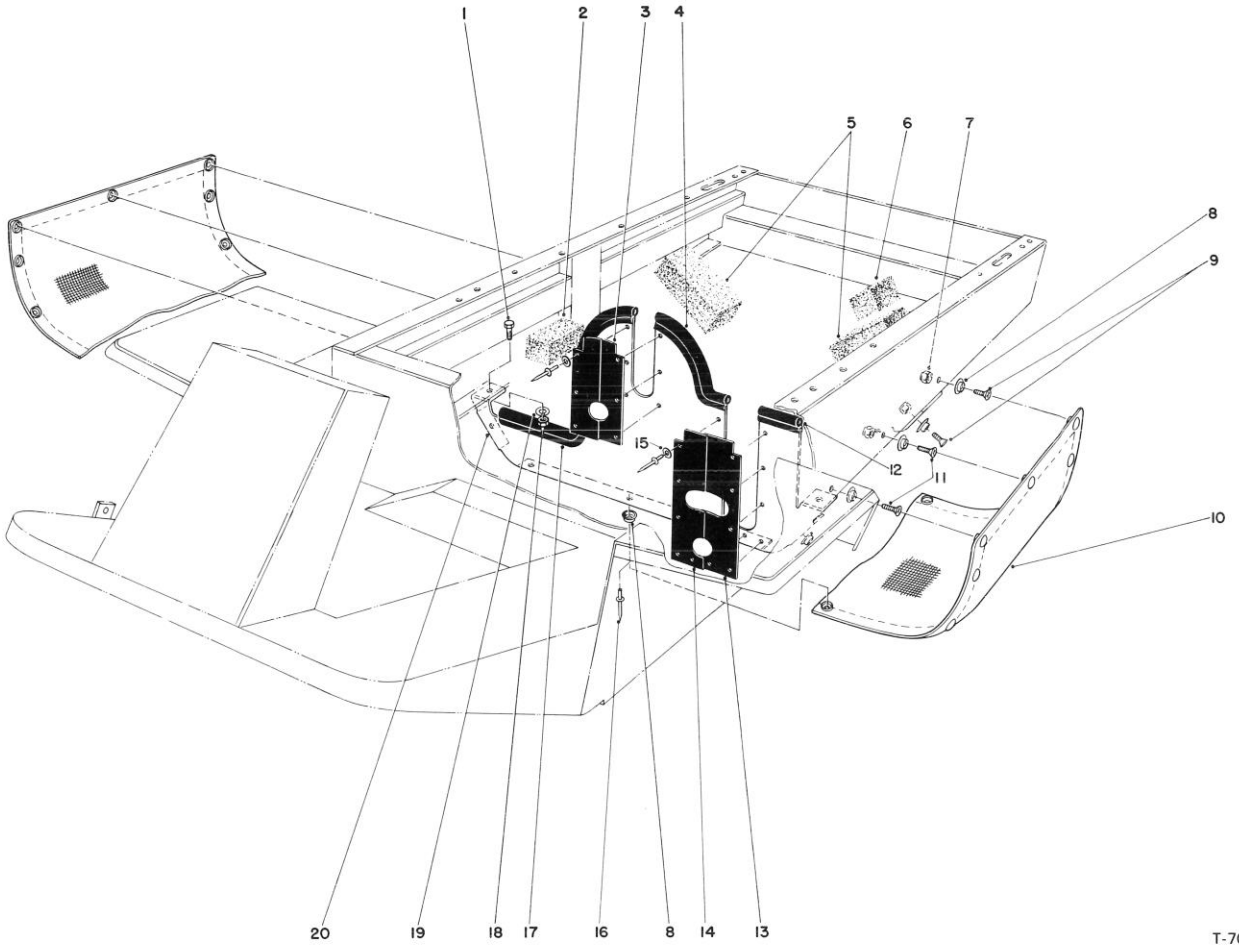
T-0597-89

CUTTING UNIT MODEL NO. 30575 (Continued)

Ref. No.	Part No.	Description	No. Used
1	68-4250	Carrier Frame (Incl. Ref. #10)	1
2	325-6	Hex Hd. Capscrew	6
3	67-1910	Lift Arm —R.H. (Incl. Ref. #8-9)	1
*	67-1920	Lift Arm —L.H. (Incl. Ref. #8-9)	1
4	40-9520	Spacer — Split	4
5	40-0330	Cushion — Rubber	2
6	3290-384	Lynch Pin	2
7	3-6781	Washer — Thrust	8
8	302-40	Fitting — Grease	2
9	256-101	Bushing	4
10	28-9290	Bushing — Special	4
11	32122-28	Screw — Machine Truss Hd.	4
12	3296-2	Nut — Lock	4
13	302-5	Grease Fitting	2
14	68-8900	Castor Fork	2
15	3290-355	Pin — Hair	4
16	68-8960	Tire	2
17	325-19	Screw — Cap Hex. Hd.	2

Ref. No.	Part No.	Description	No. Used
18	68-8940	Hub — Center	2
19	3256-6	Thrust Washer	4
20	62-5580	Bushing	4
21	302-61	Grease Fitting	2
22	68-8950	Tube w/Valve	2
23	68-8920	Wheel Half — Female	2
24	68-8930	Wheel Half — Male	2
25	62-5570	Roller Bearing	2
26	68-8980	Spanner Bushing	2
27	32153-5	Nut — Lock	2
28	3253-4	Lockwasher	8
29	3217-6	Hex Nut	8
30	283-55	Pin — Clevis	4
31	42-6200	Shim — Cushion	A/R
32	68-8360	Decal — Height Of Cut	1
*	13-3869	Castor Wheel Assembly (Incl. Ref. #16, 18, 20-25 & 28-29)	1 2

*Not Illustrated

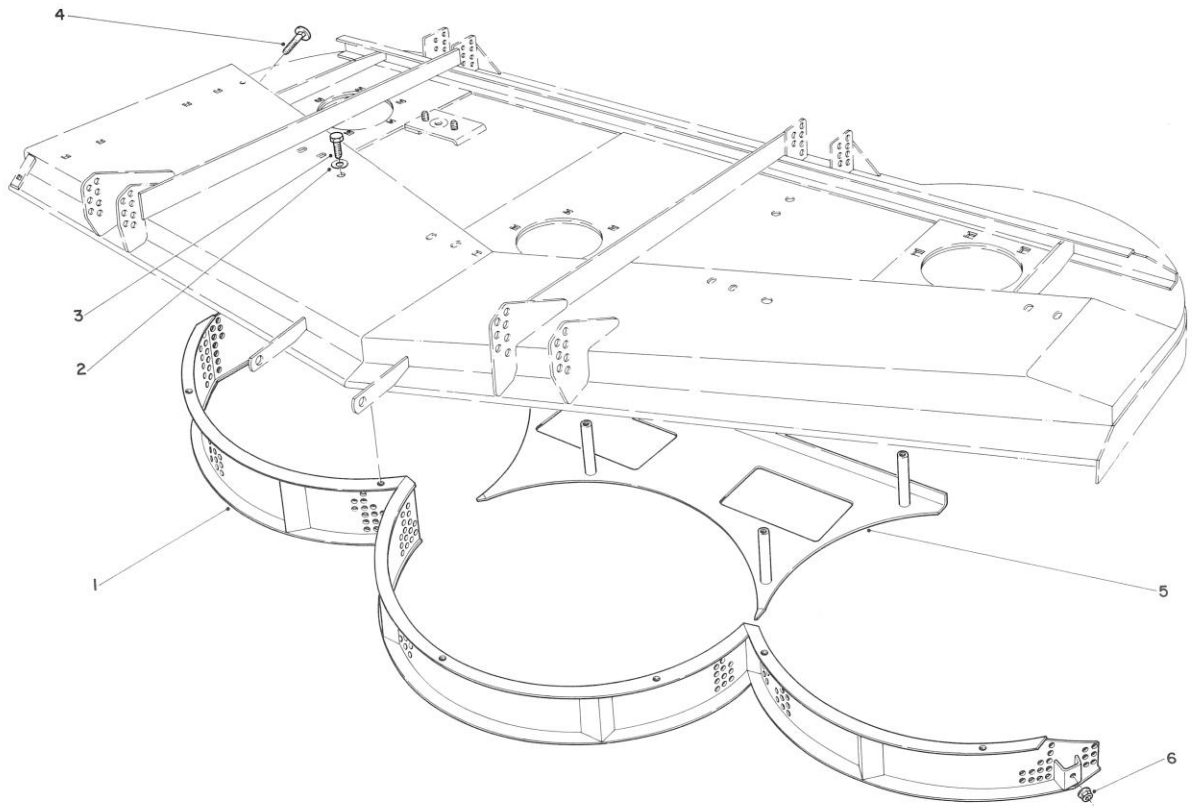


T-705-89

ENGINE SHIELD KIT MODEL NO. 30563

Ref. No.	Part No.	Description	No. Used
1	323-5	Screw – Cap Hex Hd.	4
2	46-8130	Foam Sides	2
3	46-8170	Flap – Rubber, Drive Coupling	2
4	46-8200	Seal Trim	1
5	46-8110	Foam – Rear	2
6	46-8120	Foam – Rear	1
7	3296-9	Nut – Lock	7
8	41-9060	Stud – Snap	16
9	32108-99	Screw – Flat Hd.	7
10	41-8920	Screen – Grass	1
11	32104-91	Screw Self Tapping Phillips Flat Hd.	4

Ref. No.	Part No.	Description	No. Used
12	46-8190	Seal – Trim	1
13	46-8150	Flap – Rubber P.T.O. L.H.	1
14	46-8160	Flap – Rubber P.T.O. R.H.	1
15	5-1254	Washer	16
16	3290-55	Rivet – Pop	21
17	46-8210	Seal – Trim	1
18	3217-7	Nut	4
19	3253-29	Washer – Lock	4
20	46-8180	Shield Assembly Front (Incl. Ref. #3-4, 8, & 12-17)	1



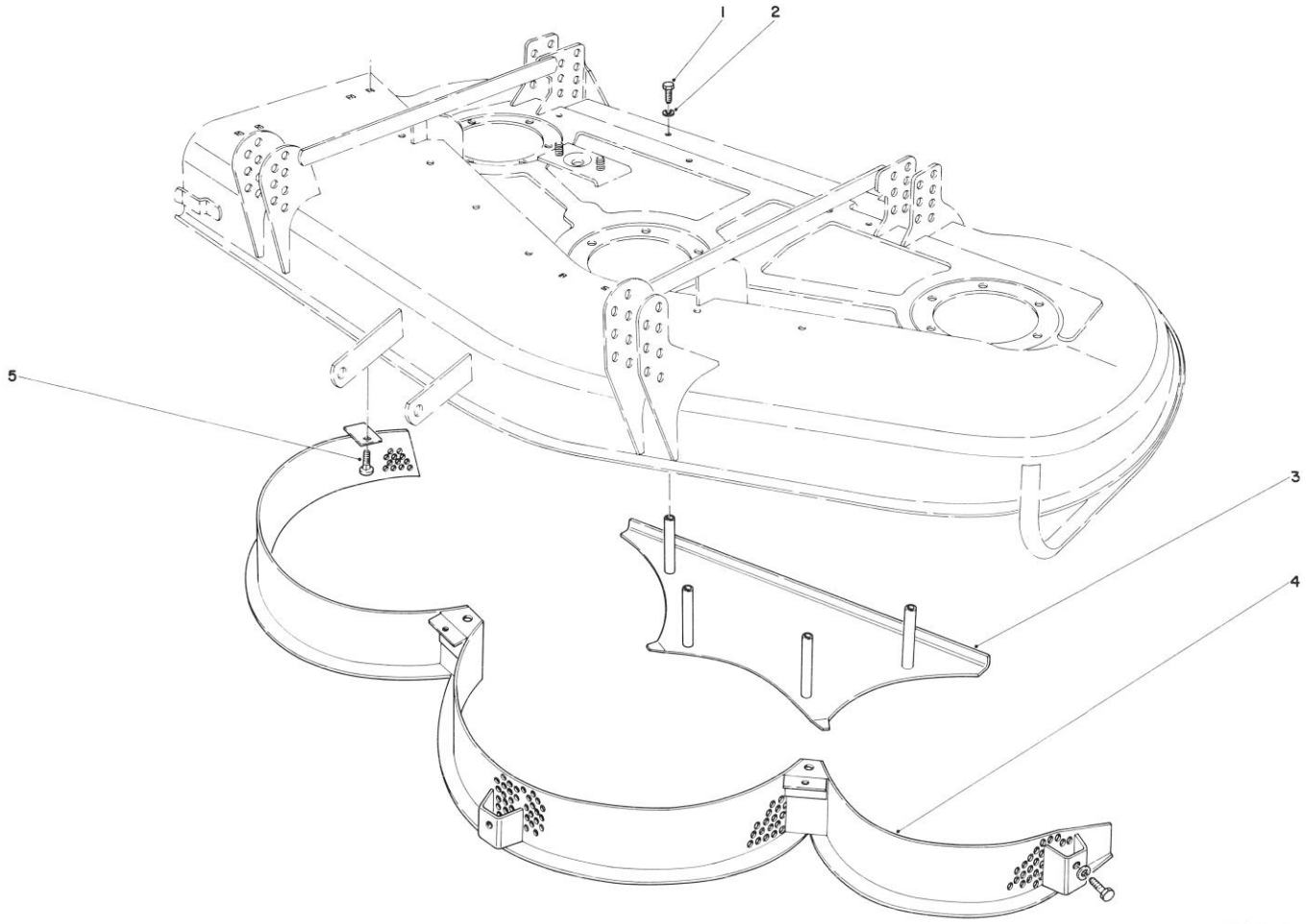
T-0598-89

MULCHER KIT MODEL NO. 30792 (Optional)

(Used With Model 30564 Cutting Unit)

Ref. No.	Part No.	Description	No. Used
1	46-3010	Mulcher Screen	1
2	3253-21	Washer – Lock	10
3	323-4	Capscrew – Hex. Hd.	11

Ref. No.	Part No.	Description	No. Used
4	3230-2	Bolt – Carriage	1
5	46-3150	Shelf – Bottom Rear	1
6	3290-357	Nut – Lock Hex Flange	6



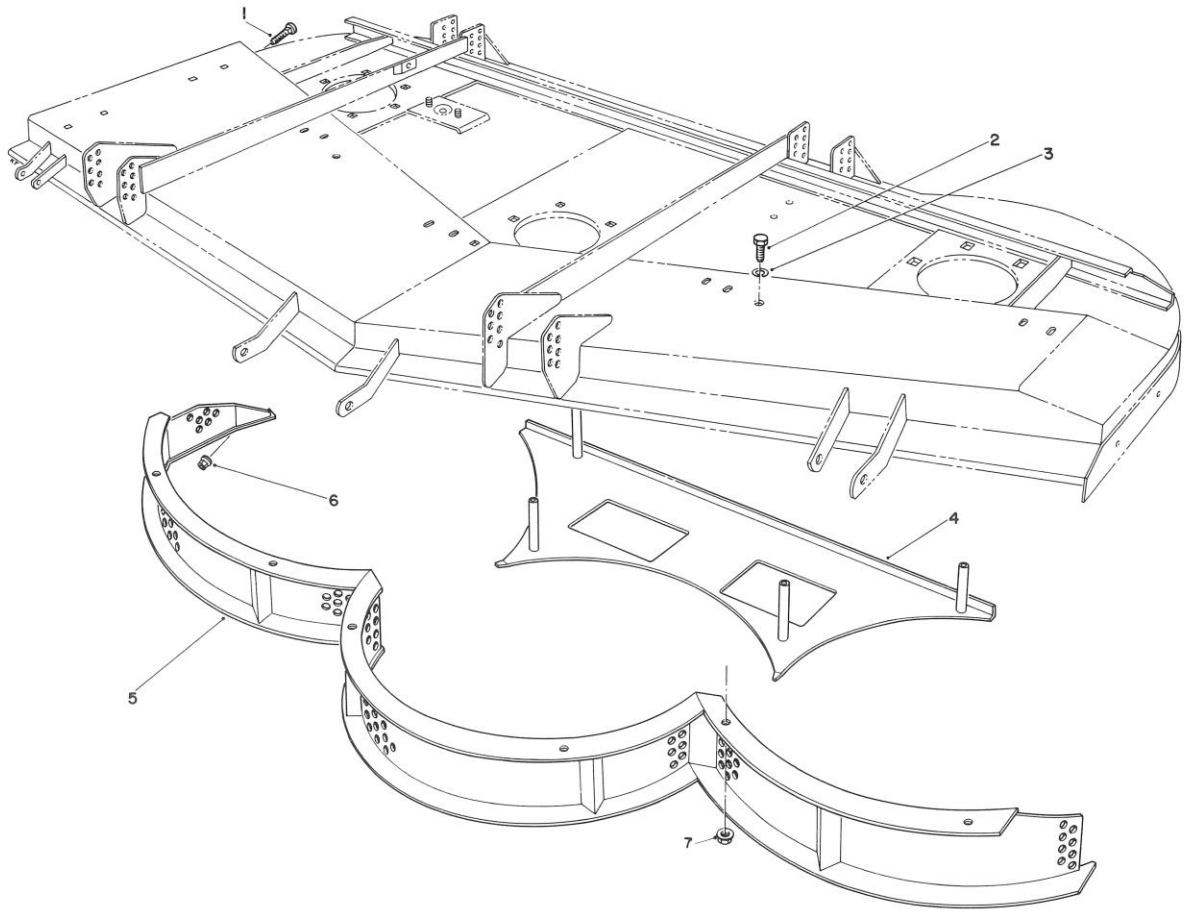
T-0599-89

MULCHER KIT MODEL NO. 30700 (Optional)

(For Cutting Unit Model 30555)

Ref. No.	Part No.	Description	No. Used
1	323-6	Capscrew	8
2	3253-21	Lockwasher	8
3	42-6340	Bottom Rear Shelf	1

Ref. No.	Part No.	Description	No. Used
4	42-6310	Mulcher Screen	1
5	3230-1	Carriage Bolt	1



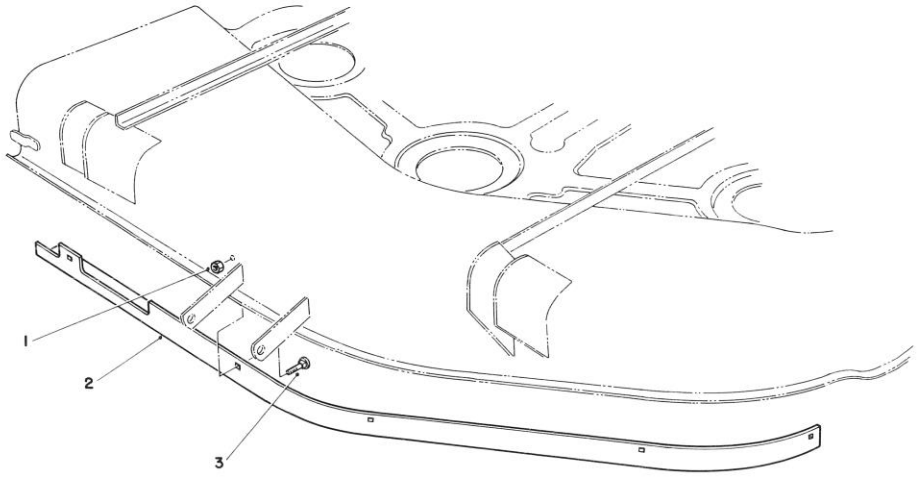
T-706-89

MULCHER KIT MODEL NO. 30779

(For Cutting Unit Model 30575)

Ref. No.	Part No.	Description	No. Used
1	3230-2	Bolt — Carriage	1
2	323-4	Screw — Cap Hex. Hd.	10
3	3253-21	Washer — Lock	10
4	57-0140	Shelf W.A.	1

Ref. No.	Part No.	Description	No. Used
5	57-0030	Screen W.A.	1
6	32128-20	Nut — Lock, Flange	1
7	3290-357	Nut — Lock, Flange	6



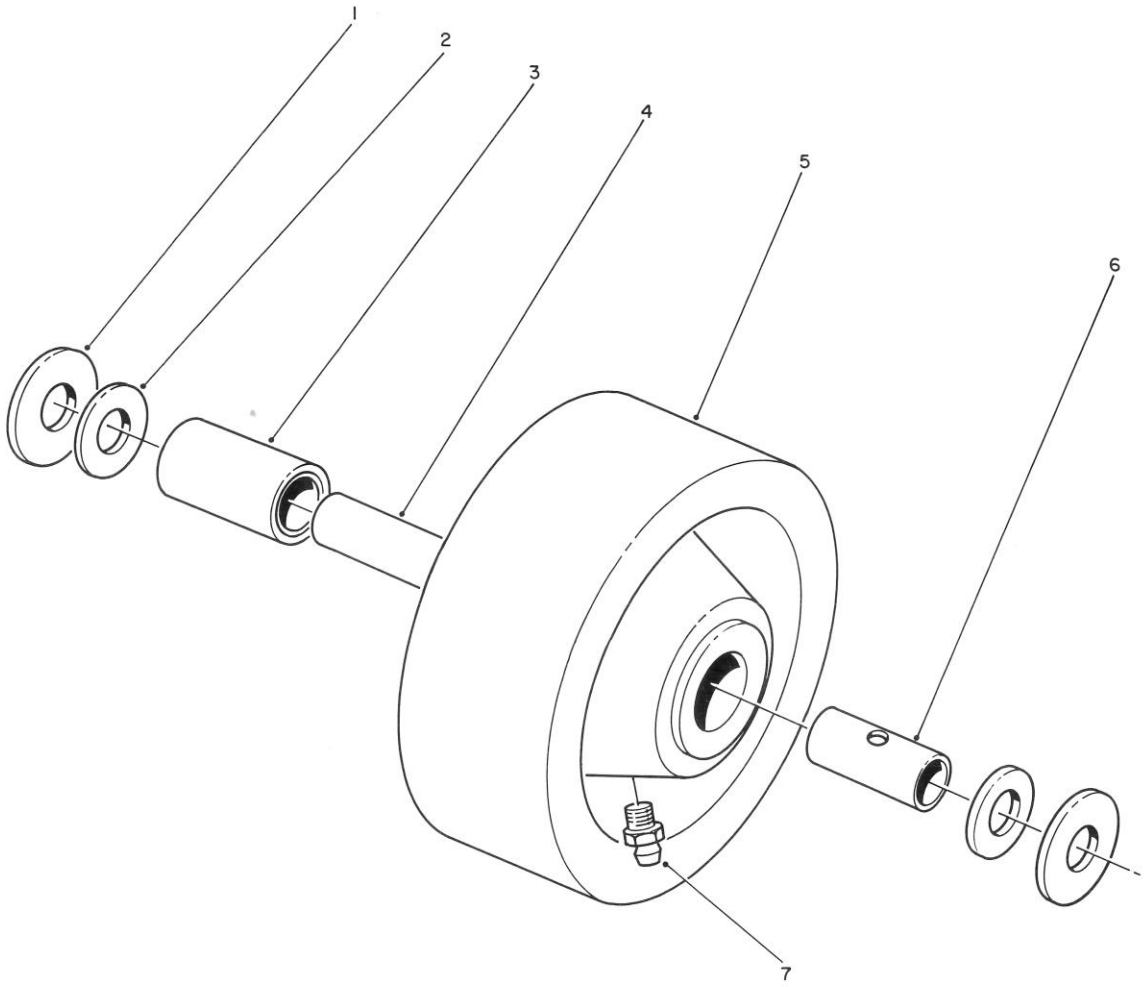
T-0708-89

BAFFLE KIT MODEL NO. 68-7210

(For Cutting Unit Model 30555)

Ref. No.	Part No.	Description	No. Used
1	3296-47	Nut — Lock	5
2		Baffle	1
3	3230-20	Bolt — Carriage	5

Ref. No.	Part No.	Description	No. Used

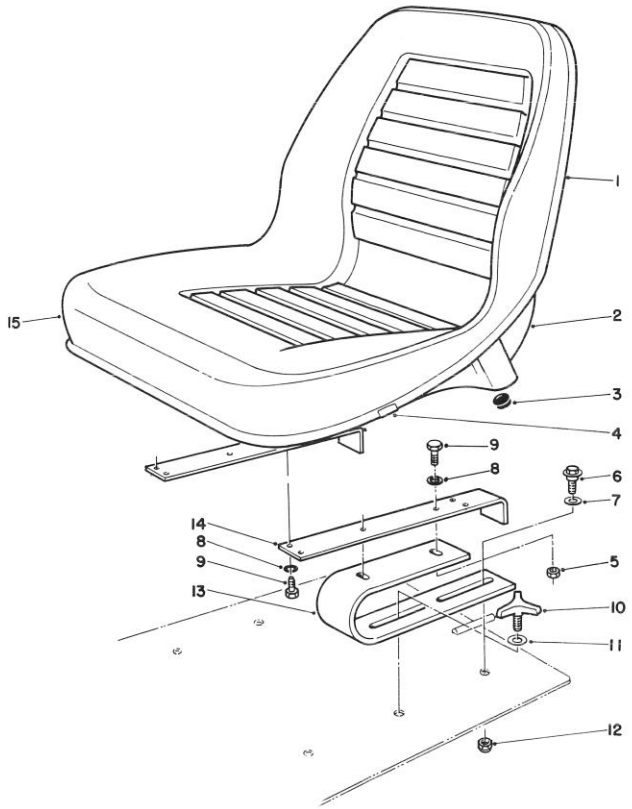


T-0633-89

PHENOLIC WHEEL ASSEMBLY NO. 27-1050 (Optional)

Ref. No.	Part No.	Description	No. Used
1	27-1170	Washer — Thrust	2
2	27-1180	Retainer — Bearing	2
3	27-1210	Bearing — Roller	1
4	68-8980	Bushing — Spanner	1

Ref. No.	Part No.	Description	No. Used
5	27-1190	Wheel — Caster	1
6	27-1200	Bushing — Spanner	1
7	302-55	Fitting — Grease	1



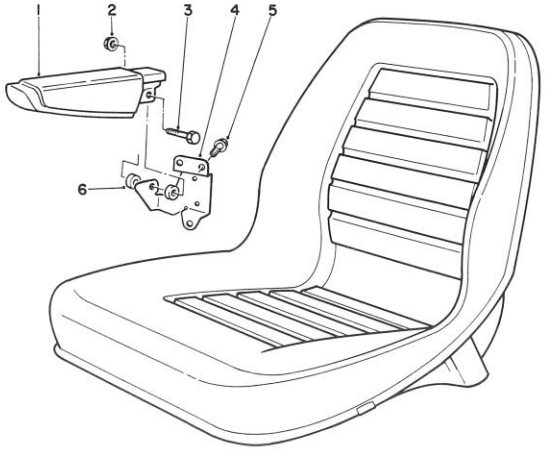
T-0777-89

STANDARD SEAT KIT MODEL NO. 30769

Ref. No.	Part No.	Description	No. Used
1		Edging	1
2	67-9560	Shell — Seat	1
3		Grommet	2
4		Clip	2
5	3217-6	Nut — Hex	4
6	27-5240	Bolt — Shoulder	2
7	3256-26	Washer — Flat	2
8	3253-4	Washer — Lock	8
9	322-5	Screw — Cap Hex. Hd.	8

Ref. No.	Part No.	Description	No. Used
10	27-4570	Handle — Adjustment	2
11	36-8020	Washer	2
12	3296-39	Nut — Lock	2
13	46-9110	Spring — Seat	2
14	46-9120	Mount — Seat	2
15	67-9550	Cushion — Seat	1
*	66-5400	Seat Assembly (Incl. Ref. #1, 2 & 15)	1

*Not Illustrated



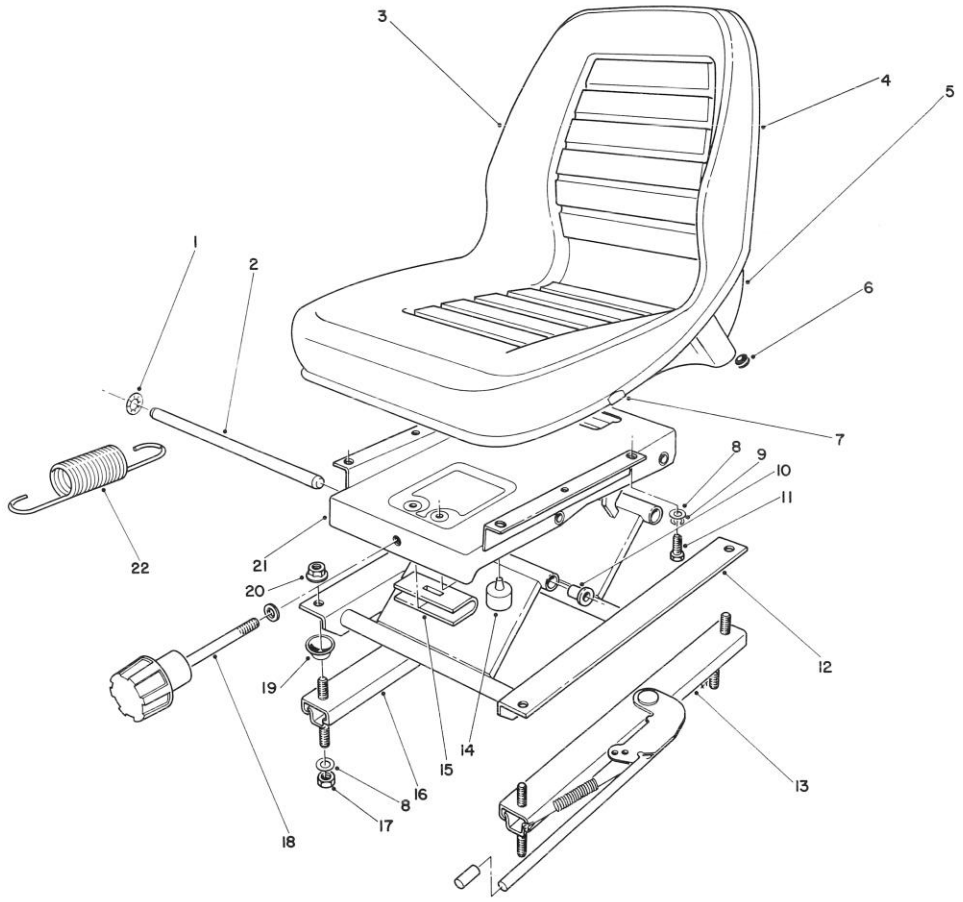
T-0634-89

ARMREST KIT MODEL NO. 30707

Ref. No.	Part No.	Description	No. Used
1	69-1180	Armrest	2
2	32128-19	Flange Locknut	2
3	323-9	Hex Hd. Capscrew	2
4	69-0770	Bracket — R.H. Arm	1

Ref. No.	Part No.	Description	No. Used
*	69-0760	Bracket — L.H. Arm	1
5	3234-14	Hex Flange Capscrew	6
6	69-1260	Spacer	4

*Not Illustrated



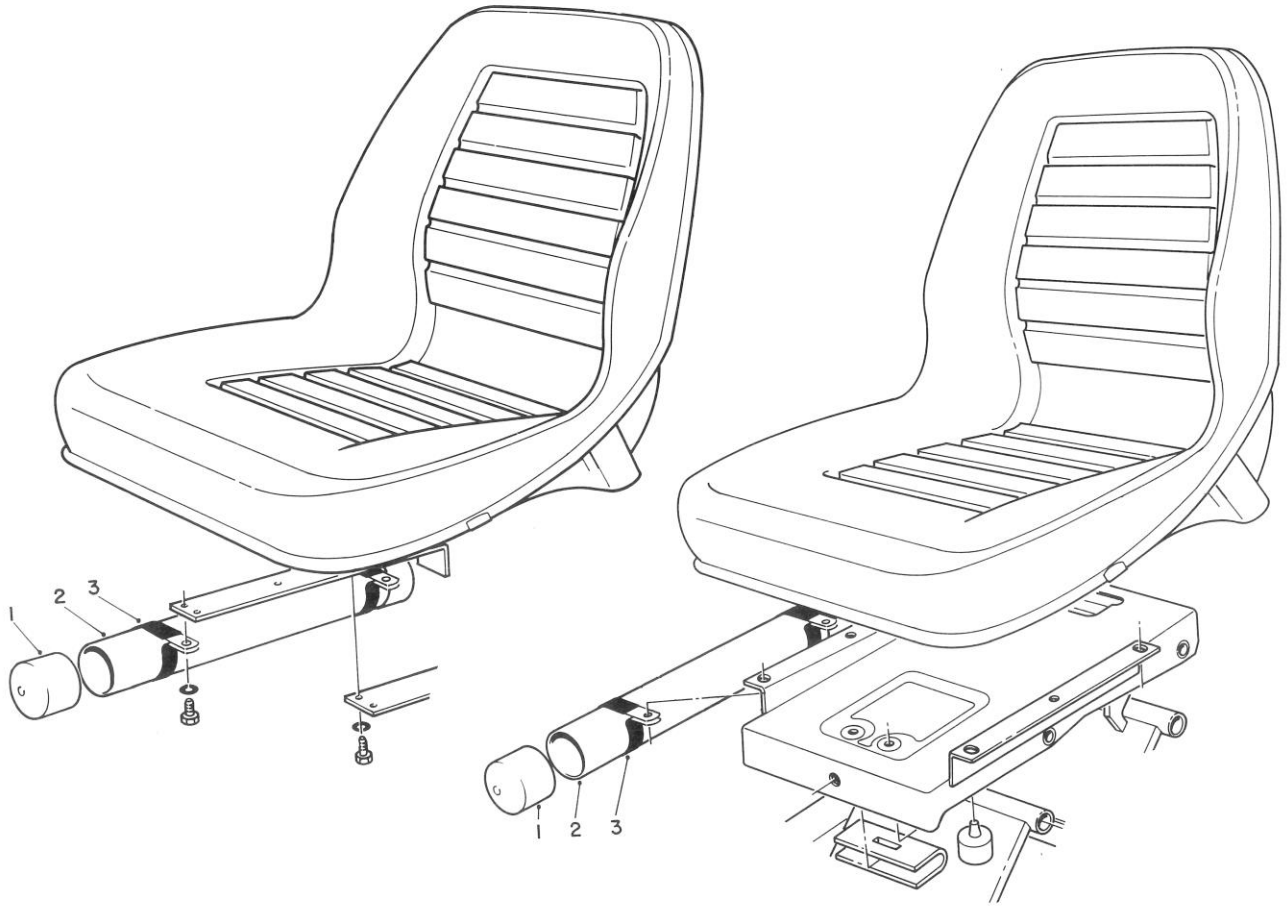
T-0776-89

DELUXE SEAT KIT MODEL NO. 30772

Ref. No.	Part No.	Description	No. Used
1	66-8560	Nut — Push	4
2	66-8550	Shaft — Pivot	2
3	67-9550	Cushion — Seat	1
4		Trim — Seat	1
5	67-9560	Base — Seat	1
6		Grommet	1
7		Cup	1
8	3256-2	Washer — Flat	8
9	3253-4	Lockwasher	4
10	66-8580	Bearing — Flange	4
11	322-3	Hex. Hd. Capscrew	4
12	66-8610	Frame — Lower	1

Ref. No.	Part No.	Description	No. Used
13	66-8510	Adjuster w/Handle	1
14	66-8520	Bumper — Stop	2
15	66-8540	Hanger — Spring	1
16	66-8530	Adjuster	1
17	3296-29	Hex Nut	4
18	66-8590	Knob — Adjustment	1
19	66-9290	Spacer — Suspension	4
20	32128-25	Flange Locknut	4
21	66-8600	Frame — Upper	1
22	66-8570	Spring — Extension	2
*	66-5400	Seat Assembly (Incl. Ref. #3-7)	1

*Not Illustrated

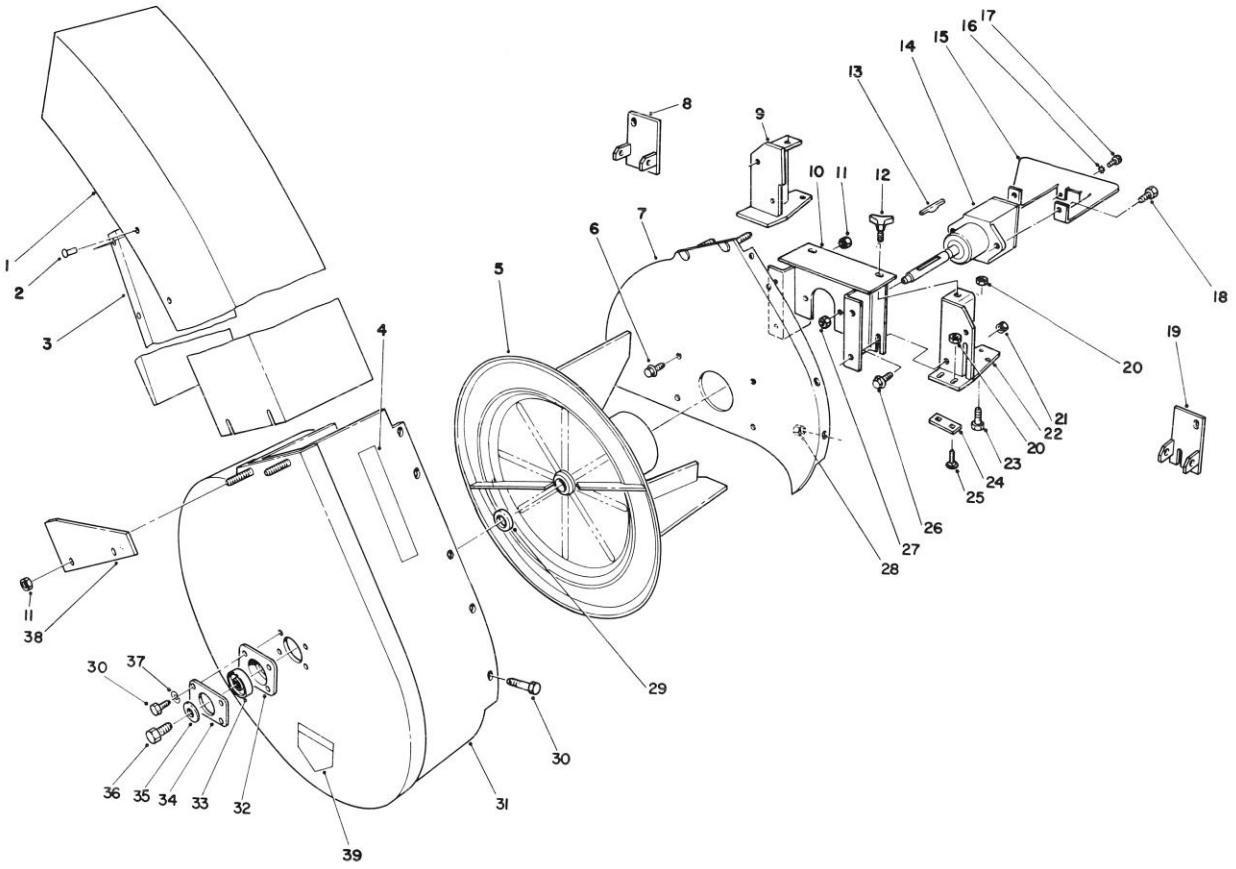


T-0778-89

KIT — MANUAL STORAGE

Ref. No.	Part No.	Description	No. Used
1	65-5890	Cap — End	2
2	65-5870	Tube — Manual	1
3	2412-102	R-Clamp	2

Ref. No.	Part No.	Description	No. Used

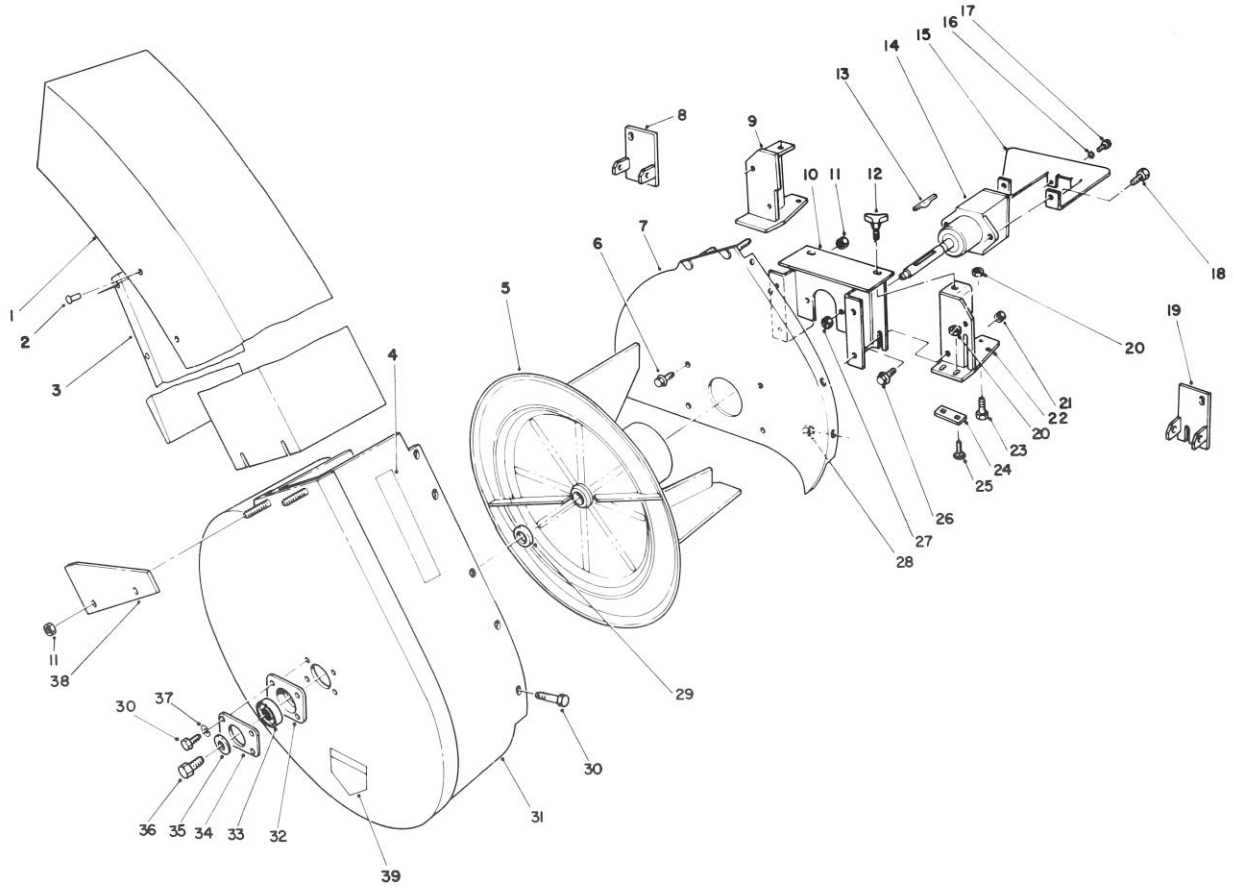


T-0601-89

GRASS COLLECTOR MODEL 30561 (Optional)

Ref. No.	Part No.	Description	No. Used
1	44-5300	Chute Assembly (Incl. Ref. #2 & 3)	1
2	3290-409	Rivet	8
3		Deflector — Chute	1
4	43-1110	Decal — Warning	1
5	56-4780	Impeller	1
6	3234-5	Screw — Flange	4
7	59-5070	Mounting Plate	1
8	59-4980	Pivot Bracket — Deflector L.H.	1
9	59-5050	Bracket L.H.	1
10	59-5140	Blower Mount	1
11	3296-29	Nut	8
12	62-6520	Knob	2
13	3257-40	Key — Hi Pro	1
14	53-4530	Gear Box Assembly	1

Ref. No.	Part No.	Description	No. Used
15	59-5150	Cover — Gear Box	1
16	3255-17	Lockwasher	2
17	3290-134	Capscrew	2
18	323-7	Capscrew	2
19	59-5000	Pivot Bracket — Deflector R.H.	1
20	32152-1	Locknut	6
21	3218-3	Nut — Jam	2
22	59-5090	Bracket R.H.	1
23	322-3	Capscrew	2
24	44-5460	Plate Bracket L.H.	2
25	3230-1	Bolt — Carriage	4
26	3234-11	Screw Flange	2
27	3296-44	Nut	2
28	3296-42	Nut	9
29	63-9710	Spacer — Bearing	1

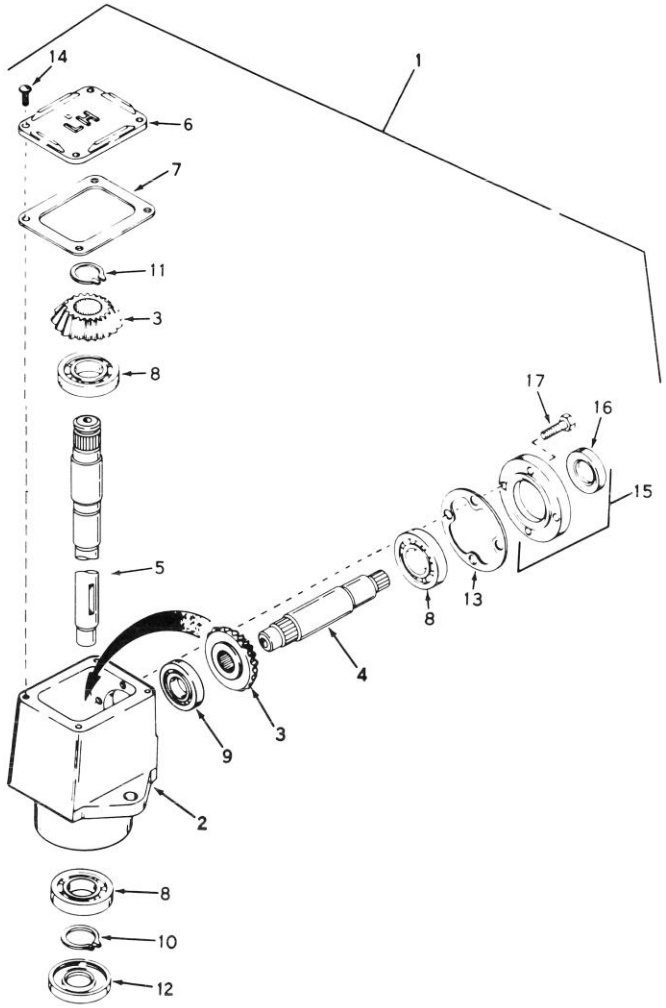


T-0601-89

GRASS COLLECTOR MODEL 30561 (Optional)(Continued)

Ref. No.	Part No.	Description	No. Used
30	321-3	Capscrew	13
31	13-0269	Blower Housing (Incl. Ref. #4)	1
32	37-6730	Cup-Bearing	1
33	38-7820	Bearing — Ball	1
34	63-9700	Plate Cover	1

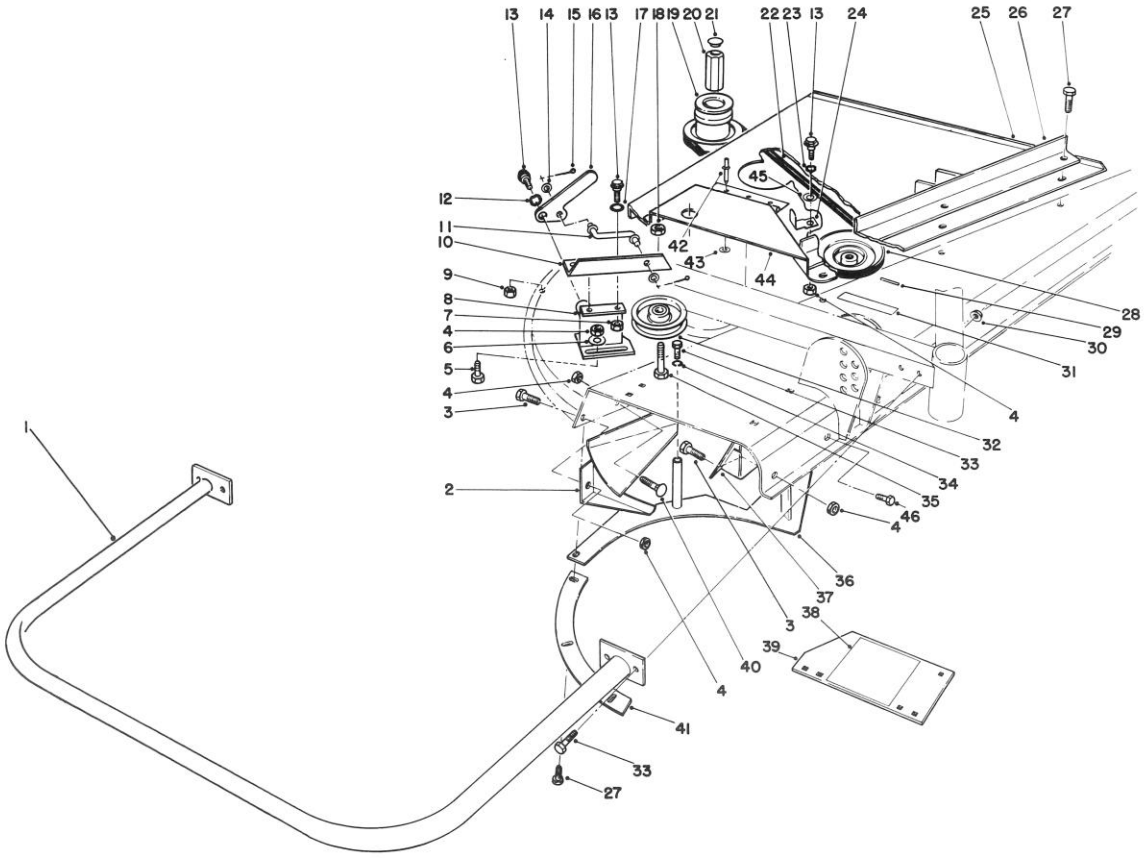
Ref. No.	Part No.	Description	No. Used
35	43-0940	Spacer — Blower Hub	1
36	3235-22	Capscrew	1
37	3253-3	Lockwasher	4
38	43-0960	Bracket — Chute	1
39	43-8480	Decal — Danger	1



GRASS COLLECTOR MODEL 30561 (Optional)(Continued)

Ref. No.	Part No.	Description	No. Used
1	794402	Head Assy., Left Hand (Incl. Ref. #2-15)	1
2	770026A	Housing, Right Angle Drive	1
3	778046	Gear, Miter	2
4	776250	Shaft, Input	1
5	776249	Shaft, Output	1
6	772035	Cover	1
7	788028	Gasket, Cover	1
8	780034	Bearing, Ball	3
9	780024	Bearing, Ball	1

Ref. No.	Part No.	Description	No. Used
10	788019	Ring, Snap	1
11	788018	Ring, Snap	1
12	788029	Seal, Oil	1
13	788030	Gasket, Cap	1
14	792025	Screw, Rd. Hd. Self-Tap	4
15	786029	Cap & Seal Assy., Retainer (Incl. Ref. #16 & 17)	1
16	788031	Seal, Oil	1
17	792026	Screw, Hex. Hd.	4



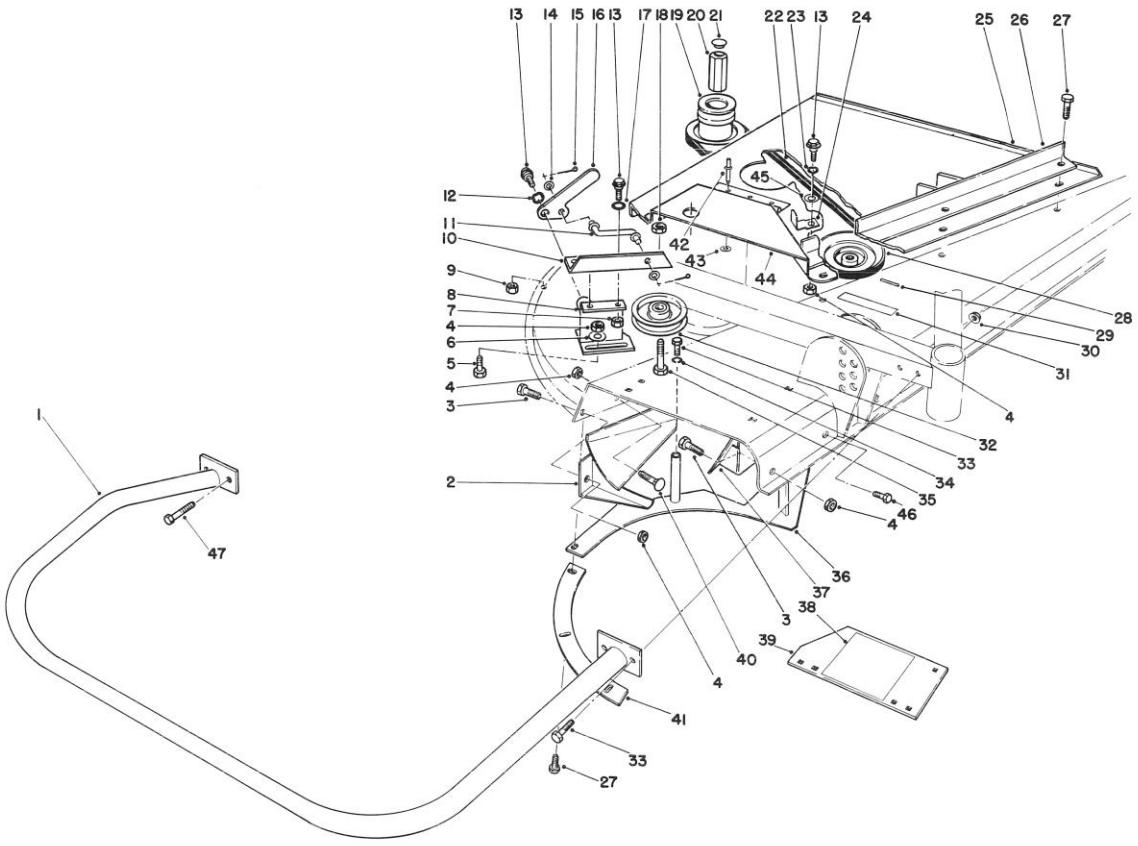
T-0624-89

GRASS COLLECTOR MODEL 30561 (Optional) (Continued) USED ON UNITS WITH SERIAL NO. 90001 THRU 90200

Ref. No.	Part No.	Description	No. Used
1	44-7570	Bumper	1
2	43-1060	Deflector — Rear	1
3	322-4	Screw — Hex. Hd.	2
4	32152-1	Nut — Lock	10
5	322-3	Screw Hex. Hd.	3
6	3256-56	Washer — Plain	3
7	3296-29	Nut — Hex	2
8	59-4920	Bracket — Idler Mounting	1
9	32152-4	Nut — Lock	5
10	59-4930	Slide — Idler	1
11	59-4940	Idler Rod	1
12	3290-211	Washer — Spring	1
13	19-1470	Bolt — Shoulder	4
14	3256-23	Washer — Plain	2
15	3272-6	Pin — Cotter	2
16	56-4900	Lever — Idler	1
17	23-1120	Washer — Flat	2
18	3296-44	Nut — Hex	1
19	59-5170	Pulley (Splined)	1
20	59-5190	Nut — Pulley	1
21	59-5310	Cover — Nut	1
22	59-5270	V-Belt	1
23	3290-211	Washer — Spring	1
24	59-5290	Latch	1

Ref. No.	Part No.	Description	No. Used
25	59-5280	Cover — Right	1
26	66-8790	Spring Bracket	1
27	321-4	Capscrew	8
28	56-4810	Pulley — Gear Box	1
29	32121-8	Pin — Roll	1
30	32152-2	Nut — Lock	4
31	43-1120	Decal — Warning	1
32	56-4920	Pulley — Idler	1
33	323-6	Capscrew	8
34	3253-21	Washer — Lock	4
35	323-7	Screw — Hex. Hd.	1
36	44-7770	Rear Shelf	1
37	67-7540	Front — Deflector	1
38	40-5730	Decal — Caution	1
39	44-5750	Cover Plate Assembly (Incl. Ref. #38)	1
40	3230-1	Carriage Bolt	2
41	44-7780	Shelf R.H.	1
42	3290-409	Rivet — Pop	3
43	3256-21	Washer	3
44	61-8630	Cover Pulley	1
45	3256-2	Washer	1
46	322-2	Screw — Cap Hex. Hd.	2
*	44-5480	Blade — High Sail (18") (Opt.)	1

*Not Illustrated



T-0602-89

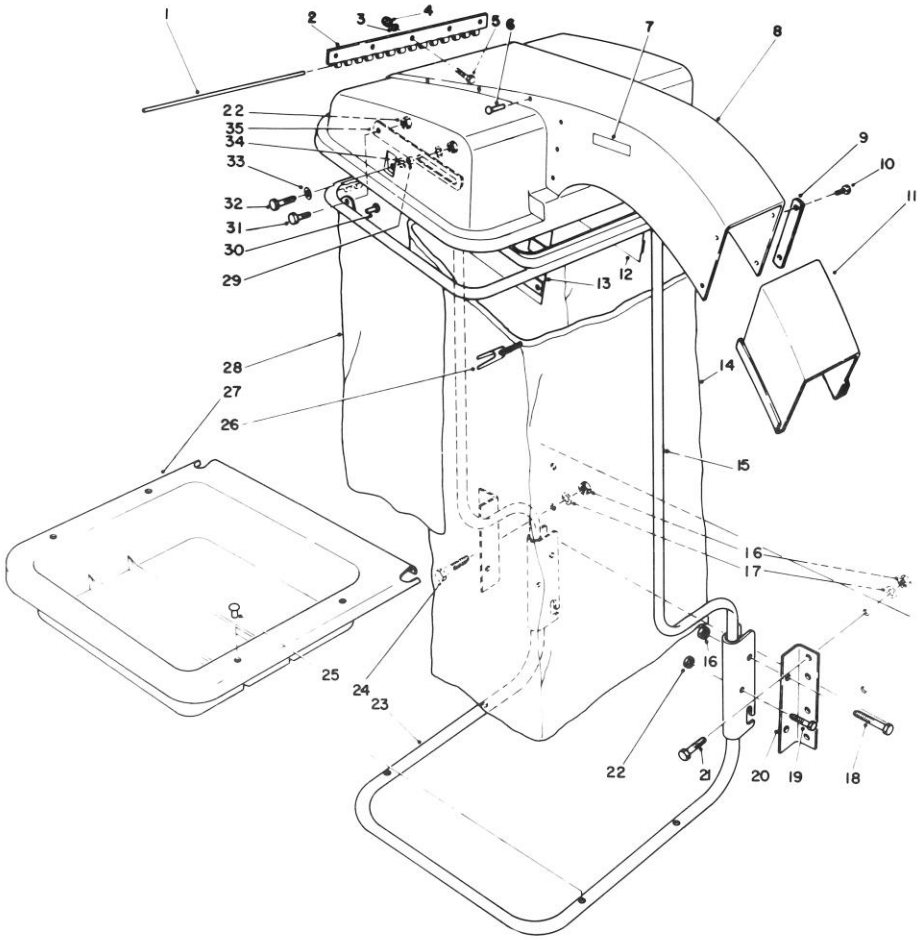
GRASS COLLECTOR MODEL 30561 (Optional) (Continued)
USED ON UNITS WITH SERIAL NO. 90501 & UP

Ref. No.	Part No.	Description	No. Used
1	70-8050	Bumper	1
2	43-1060	Deflector — Rear	1
3	322-4	Screw — Hex. Hd.	2
4	32152-1	Nut — Lock	10
5	322-3	Screw Hex. Hd.	3
6	3256-56	Washer — Plain	3
7	3296-29	Nut — Hex	2
8	59-4920	Bracket — Idler Mounting	1
9	32152-4	Nut — Lock	5
10	59-4930	Slide — Idler	1
11	59-4940	Idler Rod	1
12	3290-211	Washer — Spring	1
13	19-1470	Bolt — Shoulder	4
14	3256-23	Washer — Plain	2
15	3272-6	Pin — Cotter	2
16	56-4900	Lever — Idler	1
17	23-1120	Washer — Flat	2
18	3296-44	Nut — Hex	1
19	59-5170	Pulley (Splined)	1
20	59-5190	Nut — Pulley	1
21	59-5310	Cover — Nut	1
22	59-5270	V-Belt	1
23	3290-211	Washer — Spring	1
24	59-5290	Latch	1
25	59-5280	Cover — Right	1

Ref. No.	Part No.	Description	No. Used
26	66-8790	Spring Bracket	1
27	321-4	Capscrew	8
28	56-4810	Pulley — Gear Box	1
29	32121-8	Pin — Roll	1
30	32128-43	Nut — Lock	2
31	43-1120	Decal — Warning	1
32	56-4920	Pulley — Idler	1
33	323-6	Capscrew	6
34	3253-21	Washer — Lock	4
35	323-7	Screw — Hex. Hd.	1
36	44-7770	Rear Shelf	1
37	67-7540	Front — Deflector	1
38	40-5730	Decal — Caution	1
39	44-5750	Cover Plate Assembly (Incl. Ref. #38)	1
40	3230-1	Carriage Bolt	2
41	44-7780	Shelf R.H.	1
42	3290-409	Rivet — Pop	3
43	3256-21	Washer	3
44	61-8630	Cover Pulley	1
45	3256-3	Washer	1
46	322-2	Screw — Cap Hex. Hd.	2
47	325-6	Hex Hd. Capscrew	2
*	44-5480	Blade — High Sail (18") (Opt.)	1
*†	32128-23	Nut — Lock Flange	2

*Not Illustrated

†Note: Required on older units for mounting Bumper 70-8050 to carrier frames.



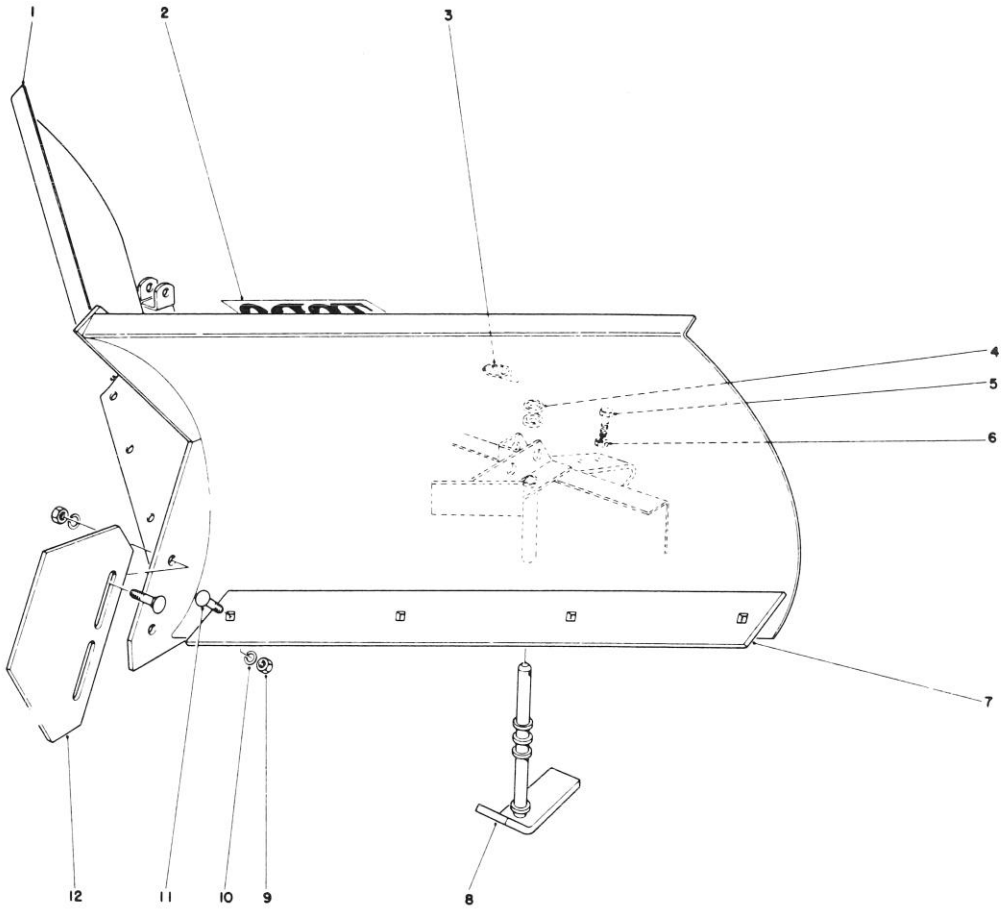
T-0603-89

GRASS COLLECTOR MODEL 30561 (Optional)(Continued)

Ref. No.	Part No.	Description	No. Used
1	43-1000	Hinge Pin — Hood	1
2	43-0610	Hinge Half	1
3	3256-14	Washer — Flat	5
4	3296-2	Nut — Lock	5
5	3290-134	Screw — Machine Hex. Hd.	5
6	3290-412	Rivet — Pop	14
7	43-1100	Decal — Caution	2
8	67-7110	Hood Assembly (Incl. Ref. #2-7 & 12-13)	1
9	67-1730	Nut Plate	1
10	3274-31	Button Head Screw	4
11	67-1740	Snout Extension	1
12	43-0600	Screen — Left Hand	1
13	43-0570	Screen — Right Hand	1
14	43-0990	Bag — Cloth 32" (7 bushel capacity)	1
*	43-0980	Bag — Cloth 38" (10 bushel capacity) (Optional)	1
15	67-7500	Support Tube Assembly — (Upper (Incl. Ref. #25 & 28)	1
16	32152-2	Nut — Lock	12

Ref. No.	Part No.	Description	No. Used
17	3256-3	Washer — Plain	8
18	323-11	Screw — Cap Hex. Hd.	4
19	322-11	Screw — Cap Hex. Hd.	2
20	43-1010	Bracket — Frame	4
21	323-7	Screw — Cap Hex. Hd.	7
22	32152-1	Nut — Lock	6
23	43-0720	Support Tube Assembly — Lower (Incl. Ref. #25 & 27)	1
24	323-10	Screw — Cap Hex. Hd.	1
25	3290-409	Rivet — Pop	21
26	3-2781	Cord Retainer	1
*†	36-7770	Cord Retainer (optional)	1
27		Tray — Lower	1
28		Skirt — Bagging Frame	1
29	43-1020	Spacer — Pivot Arm	2
30	322-3	Screw — Hex. Hd.	2
31	322-4	Screw — Hex. Hd.	2
32	3256-56	Washer — Flat	2
33	3256-57	Washer — Fender	4
34	43-1050	Stop — Hood	2
*	44-9720	Template — Bracket	1

*Not Illustrated
†For use with 30 gallon plastic bag.

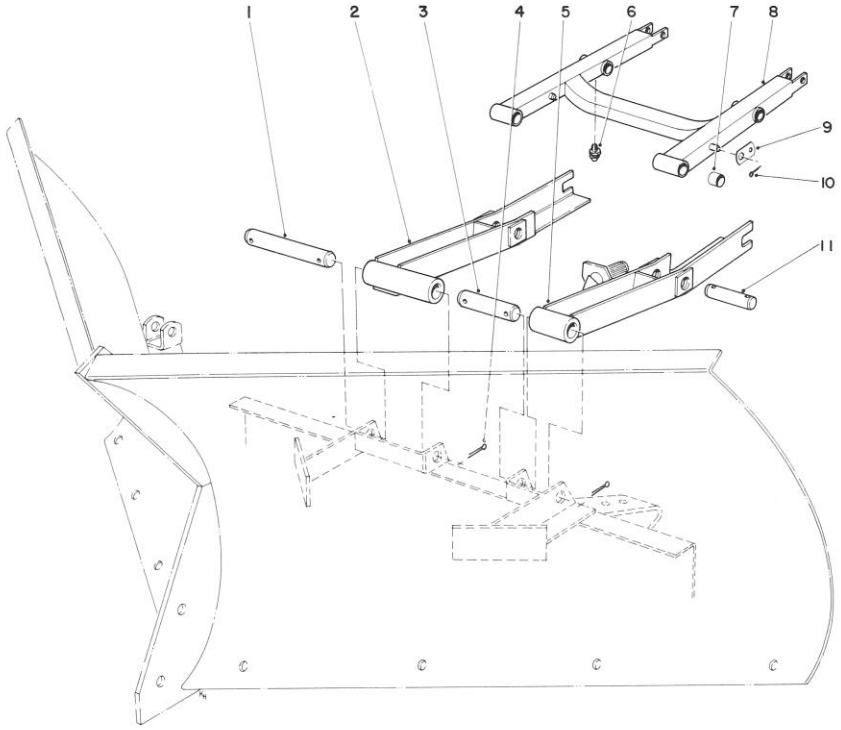


T-0452-89

V-PLOW MODEL NO. 30750 (Optional)

Ref. No.	Part No.	Description	No. Used
1	23-9960	V-Plow	1
2	66-6140	Decal	1
3	3290-243	Lynch Pin	2
4	20-4370	Spacer Tubes	10
5	325-6	Capscrew	1
6	3218-5	Jam Nut	1

Ref. No.	Part No.	Description	No. Used
7	24-5570	Scraper Blade	2
8	24-5540	Skid	2
9	3217-9	Nut	10
10	3253-7	Lockwasher	10
11	3233-2	Carriage Bolt	10
12	24-5530	Nose Skid	1



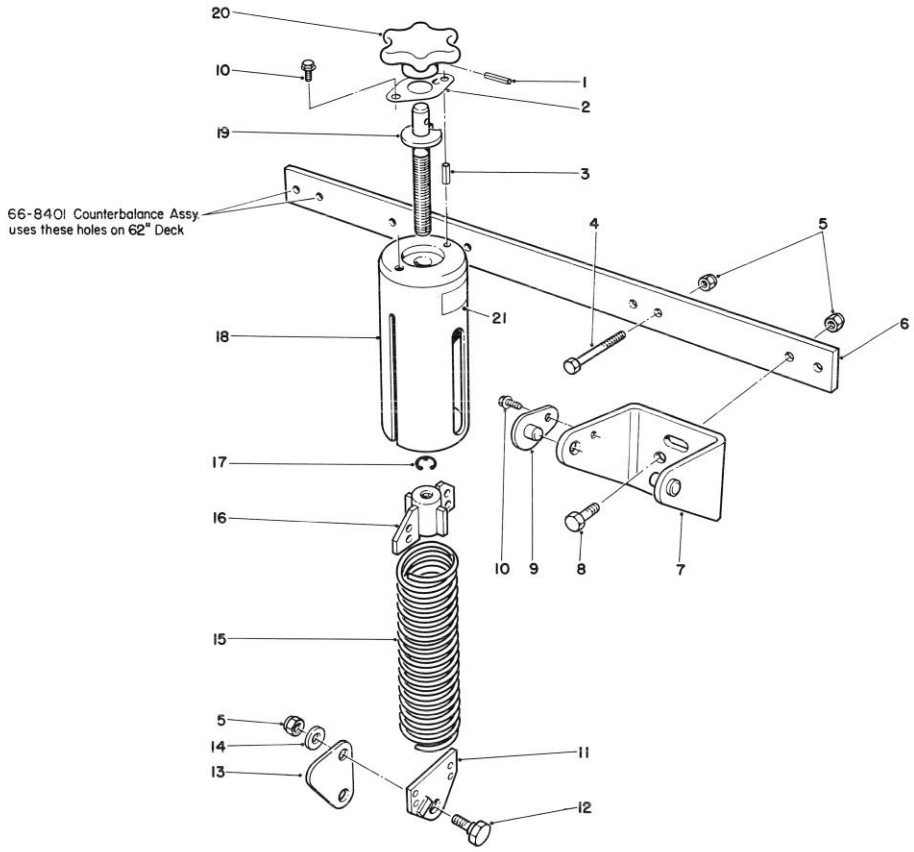
T-0631-89

V-PLOW INSTALLATION KIT MODEL NO. 30755 (Optional)

Ref. No.	Part No.	Description	No. Used
1	28-5490	Pin R.H.	1
2	28-5510	Push Arm R.H.	1
3	25-1350	Pin L.H.	1
4	3272-23	Cotter Pin	8
5	28-5500	Push Arm L.H.	1
6	302-53	Grease Fitting	2

Ref. No.	Part No.	Description	No. Used
7	256-101	Bushing	8
8†	27-4270	Lift Arm (Incl. Ref. #6 & 7)	1
9†	27-5270	Strap Brake Spring	2
10†	3272-12	Cotter Pin	2
11	28-6460	Pin	2
*‡	28-5470	Tire Chains	1

†Parts must be ordered separately for mounting V-Plow on Model No. 30790.
*Not Illustrated.
†Optional Equipment.



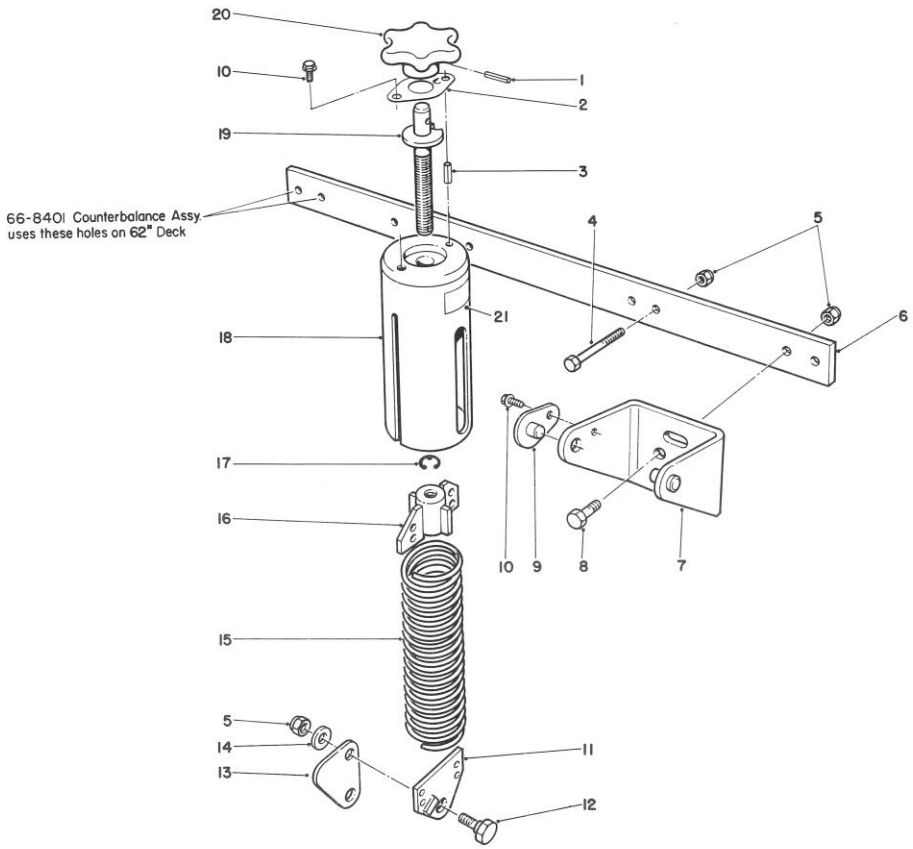
T-0600-89

52" WEIGHT TRANSFER MODEL NO. 30702

Ref. No.	Part No.	Description	No. Used
1	32121-12	Roll Pin	1
2	66-8330	Spring — Detent	1
3	32121-13	Roll Pin	1
4	323-11	Screw — Cap Hex Hd.	2
5	3296-39	Nut — Hex	5
6†**	66-8210	Adapter	—
7†	66-8220	Bracket	—
*	66-8470	Bracket	1
8†	323-6	Screw — Cap Hex Hd.	2
9	66-8250	Lockpin	1
10	12-3270	Screw — Self-Tap	2
11	66-8420	Spring End	1
12	46-3380	Bolt — Shoulder	2
13	66-8450	Link — Knee	1

Ref. No.	Part No.	Description	No. Used
*†	66-8440	Link — Knee	—
14	3256-24	Washer — Flat	2
15	66-8390	Spring — Heavy Duty	1
*†	66-8410	Spring — Light Duty	—
16	66-8340	Spring End	1
17	32120-47	E-Ring	1
18	66-8300	Cover Assembly	1
19	66-8270	Shaft	1
20	59-4380	Knob	1
21	55-4300	Decal — Caution	2
*	66-8400	Counterbalance Assy. (Incl. Ref. #1-3, 11, 15-21)	1
*†	66-8401	Counterbalance Assy. (Incl. Ref. #1-3, 11, 15-21)	—

*Not Illustrated
†Not used for 52" Cutting Unit
**Not used on GM-220D



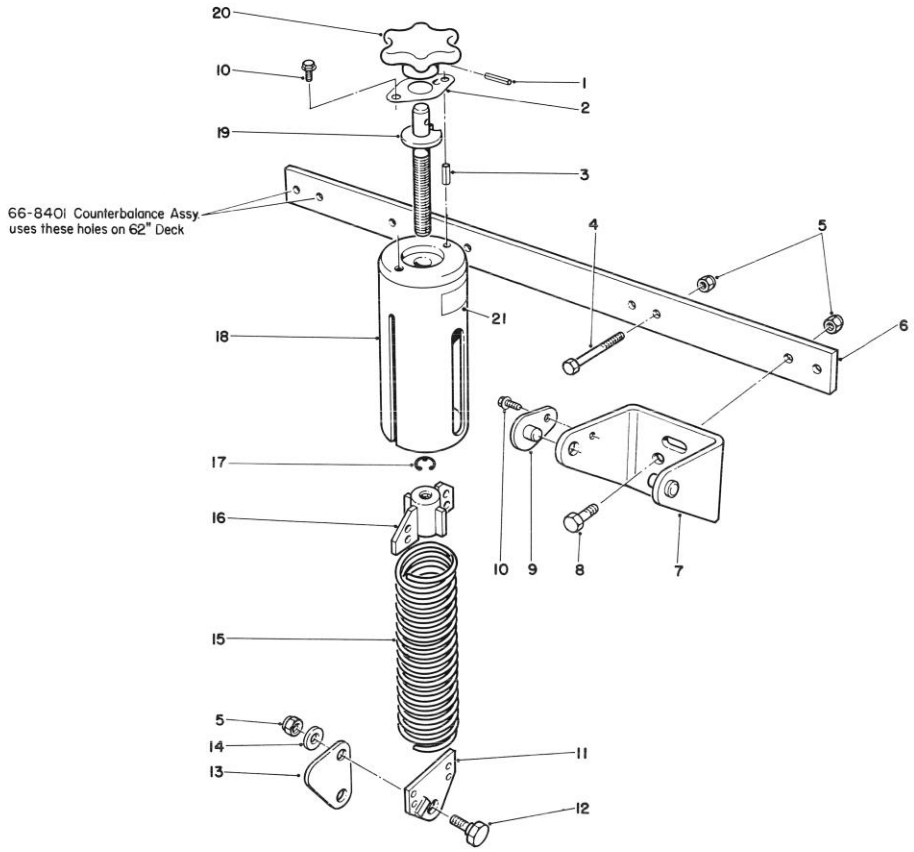
T-0600-89

62" WEIGHT TRANSFER MODEL NO. 30703

Ref. No.	Part No.	Description	No. Used
1	32121-12	Roll Pin	2
2	66-8330	Spring — Detent	2
3	32121-13	Roll Pin	2
4	323-11	Screw — Cap Hex Hd.	4
5	3296-39	Nut — Hex	14
6**	66-8210	Adapter	1
7	66-8220	Bracket	2
*†	66-8470	Bracket	—
8	323-6	Screw — Cap Hex Hd.	4
9	66-8250	Lockpin	2
10	12-3270	Screw — Self-Tap	4
11	66-8420	Spring End	2
12	46-3380	Bolt — Shoulder	2
13†	66-8450	Link — Knee	—

Ref. No.	Part No.	Description	No. Used
*	66-8440	Link — Knee	2
14	3256-24	Washer — Flat	4
15	66-8390	Spring — Heavy Duty	1
*††	66-8410	Spring — Light Duty	1
16	66-8340	Spring End	2
17	32120-47	E-Ring	2
18	66-8300	Cover Assembly	2
19	66-8270	Shaft	2
20	59-4380	Knob	2
21	55-4300	Decal — Caution	4
*	66-8400	Counterbalance Assy. (Incl. Ref. #1-3, 11, 15-21)	1
*	66-8401	Counterbalance Assy. (Incl. Ref. #1-3, 11, 15-21)	1

†Not used for 62" Cutting Units.
**Not used on GM-220 D & GM 224 must be ordered separately.
††Light duty spring (66-8410) used on discharge side.



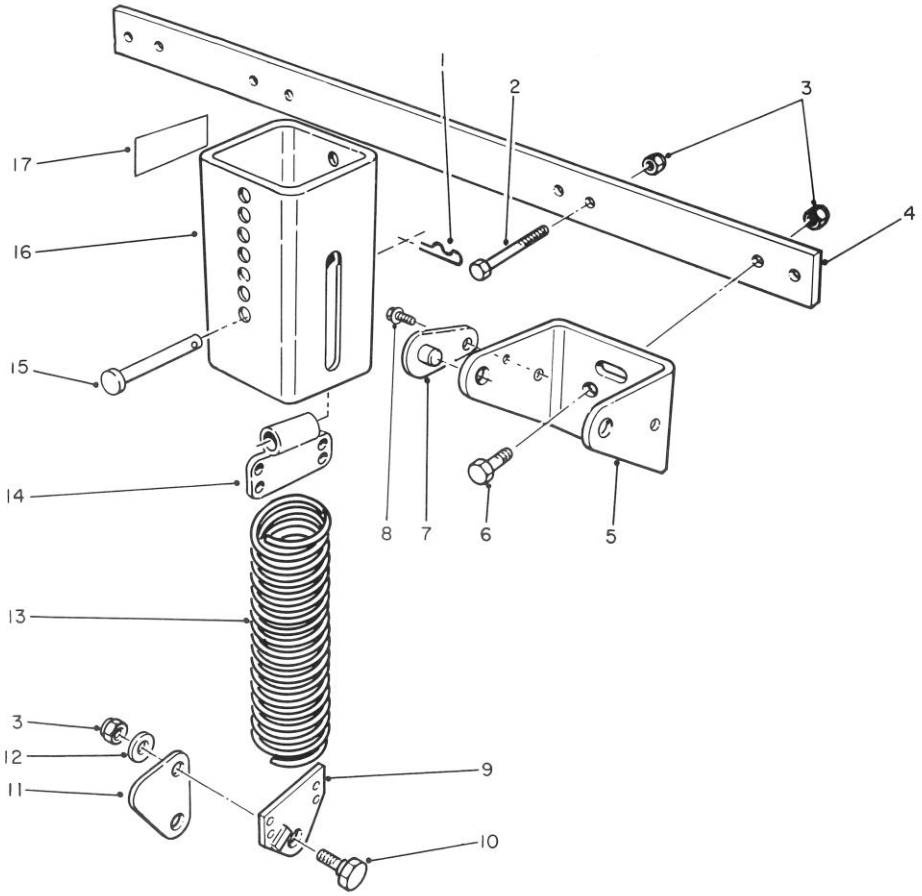
T-0600-89

72" WEIGHT TRANSFER MODEL NO. 30704

Ref. No.	Part No.	Description	No. Used
1	32121-12	Roll Pin	2
2	66-8330	Spring — Detent	2
3	32121-13	Roll Pin	2
4	323-11	Screw — Cap Hex Hd.	4
5	3296-39	Nut — Hex	14
6**	66-8210	Adapter	1
7	66-8220	Bracket	2
*†	66-8470	Bracket	—
8	323-6	Screw — Cap Hex Hd.	4
9	66-8250	Lockpin	2
10	12-3270	Screw — Self-Tap	4
11	66-8420	Spring End	2
12	46-3380	Bolt — Shoulder	2
13†	66-8450	Link — Knee	—

Ref. No.	Part No.	Description	No. Used
*	66-8440	Link — Knee	2
14	3256-24	Washer — Flat	4
15	66-8390	Spring — Heavy Duty	2
*†	66-8410	Spring — Light Duty	—
16	66-8340	Spring End	2
17	32120-47	E-Ring	2
18	66-8300	Cover Assembly	2
19	66-8270	Shaft	2
20	59-4380	Knob	2
21	55-4300	Decal — Caution	4
*	66-8400	Counterbalance Assy. (Incl. Ref. #1-3, 11, 15-21)	2
*†	66-8401	Counterbalance Assy. (Incl. Ref. #1-3, 11, 15-21)	—

*Not Illustrated
†Not used for 72" Cutting Unit.
**Not used on GM-220 D & GM 224 must be ordered separately.



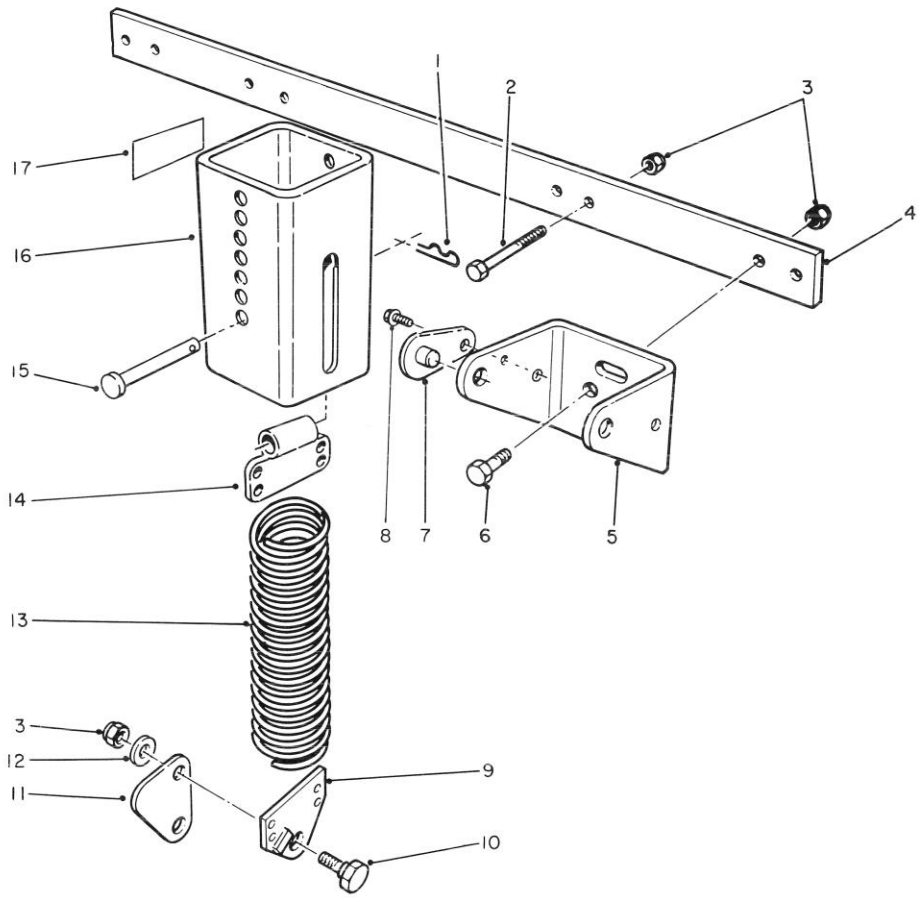
T-0632-89

52" COUNTER BALANCE KIT MODEL NO. 30712

Ref. No.	Part No.	Description	No. Used
1	3290-355	Hair Pin Cotter	1
2	323-11	Capscrew — Hex. Hd.	2
3	3296-39	Nut — Hex	4
4†	66-8210	Adapter	1
5	66-8460	Bracket — Mounting	1
6	323-6	Capscrew — Hex. Hd.	2
7	70-7920	Lock Pin Assembly	2
8	12-3270	Screw — Self Tapping	2
9	66-8420	End Spring	1

Ref. No.	Part No.	Description	No. Used
10	46-3380	Bolt — Shoulder	2
11	66-8450	Link — Knee	1
12	3256-24	Washer — Flat	2
13	66-8390	Spring — Extension	1
14	70-7940	End Spring	1
15	283-69	Pin — Clevis	1
16	70-7970	Spring Cover Assembly	1
17	55-4300	Decal Caution	2

†Not used on 52" Cutting Unit



T-0632-89

62" COUNTER BALANCE KIT MODEL NO. 30713

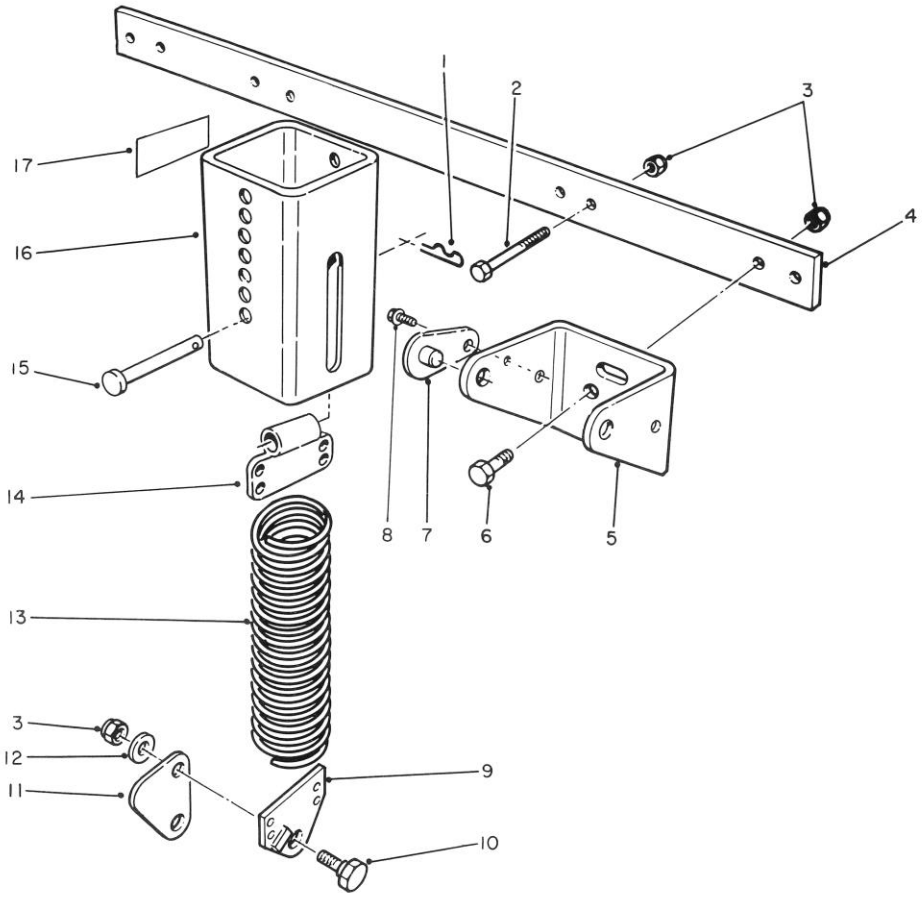
Ref. No.	Part No.	Description	No. Used
1	3290-355	Hair Pin Cotter	2
2	323-11	Capscrew — Hex. Hd.	4
3	3296-39	Nut — Hex	12
4††	66-8210	Adapter	1
5	66-8230	Bracket — Mounting	2
6	323-6	Capscrew — Hex. Hd.	4
7	70-7920	Lock Pin Assembly	4
8	12-3270	Screw — Self Tapping	4
9	66-8420	End Spring	2
10	46-3380	Bolt — Shoulder	4

Ref. No.	Part No.	Description	No. Used
11	66-8440	Link — Knee	2
12	3256-24	Washer — Flat	4
13	66-8390	Spring — Extension (Heavy Duty)	1
*†	66-8410	Spring — Extension (Light Duty)	1
14	70-7940	End Spring	2
15	283-69	Pin — Clevis	2
16	70-7970	Spring Cover Assembly	2
17	55-4300	Decal Caution	4

*Not Illustrated

†Light duty spring (66-8410) used on discharge side.

††Adapter must be ordered separately, not used on GM-220D & GM-224.



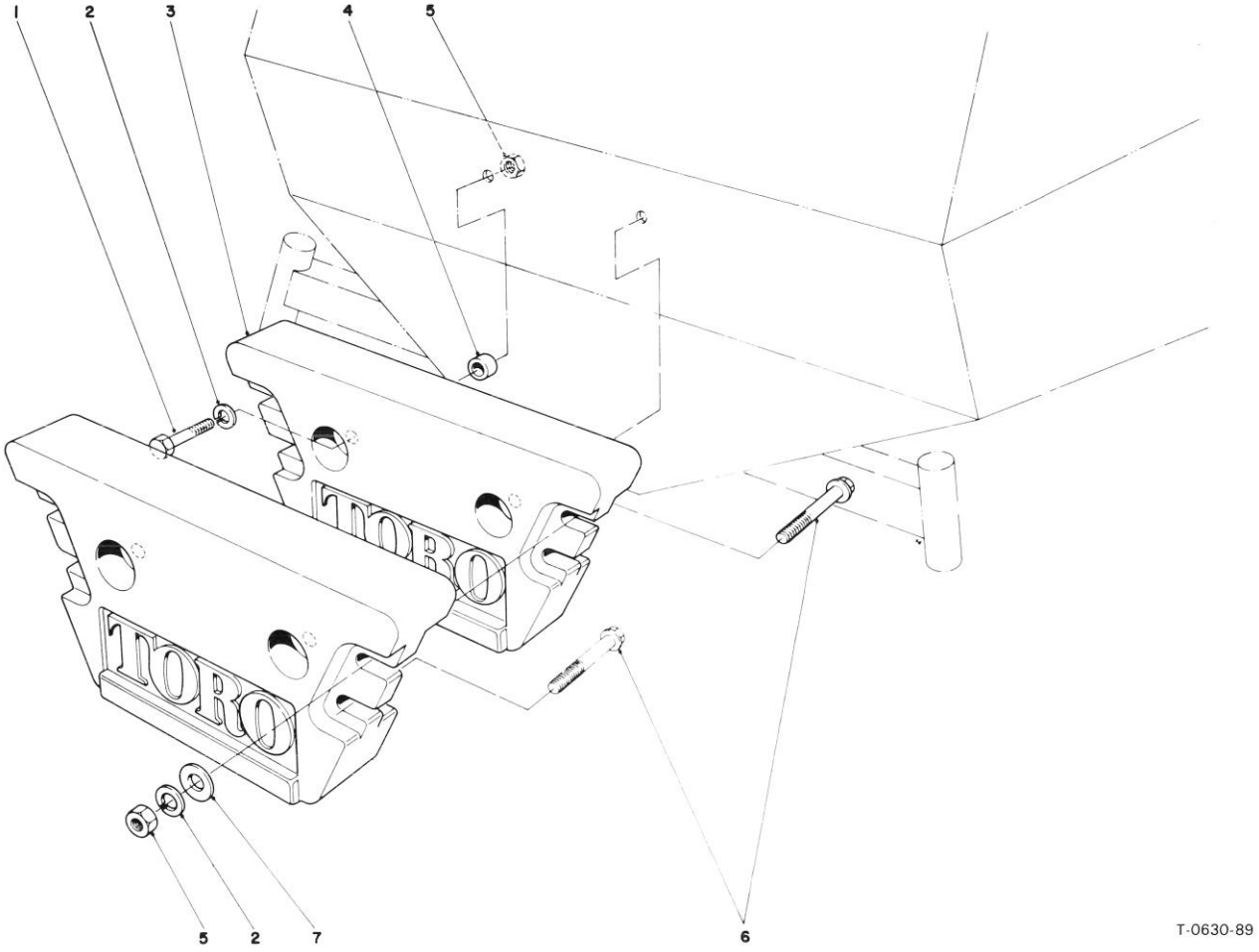
T-0632-89

72" COUNTER BALANCE KIT MODEL NO. 30714

Ref. No.	Part No.	Description	No. Used
1	3290-355	Hair Pin Cotter	2
2	323-11	Capscrew — Hex. Hd.	4
3	3296-39	Nut — Hex	12
4**	66-8210	Adapter	1
5	66-8230	Bracket — Mounting	2
6	323-6	Capscrew — Hex. Hd.	4
7	70-7920	Lock Pin Assembly	4
8	12-3270	Screw — Self Tapping	4
9	66-8420	End Spring	2

Ref. No.	Part No.	Description	No. Used
10	46-3380	Bolt — Shoulder	4
11	66-8440	Link — Knee	2
12	3256-24	Washer — Flat	4
13	66-8390	Spring — Extension	2
14	70-7940	End Spring	2
15	283-69	Pin — Clevis	2
16	70-7970	Spring Cover Assembly	2
17	55-4300	Decal Caution	4

** Adaptor (66-8210) must be ordered separately, Not used on GM-220 D & GM-224.

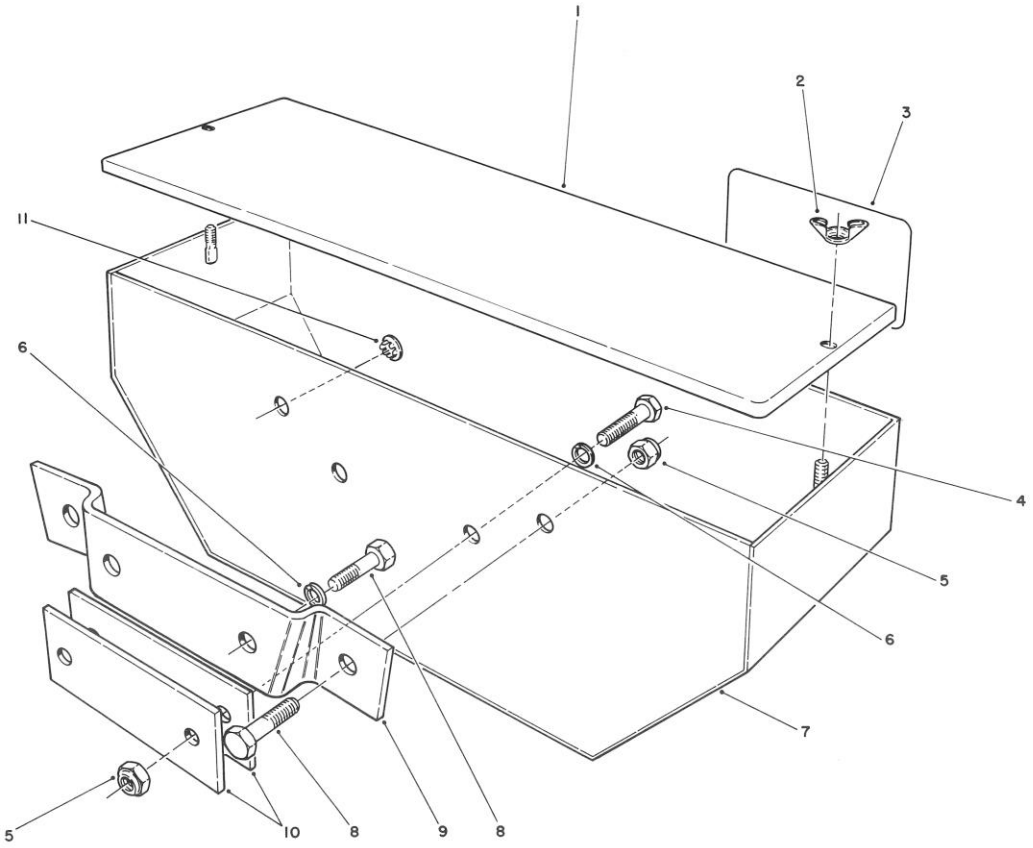


T-0630-89

REAR WEIGHT KIT NO. 24-5780 (Optional)

Ref. No.	Part No.	Description	No. Used
1	325-8	Capscrew	2
2	3253-7	Lockwasher	6
3	24-5790	Rear Weight	2
4	57-4230	Spacer	2

Ref. No.	Part No.	Description	No. Used
5	3217-9	Nut	6
6	325-14	Capscrew	4
7	3256-26	Flatwasher	8

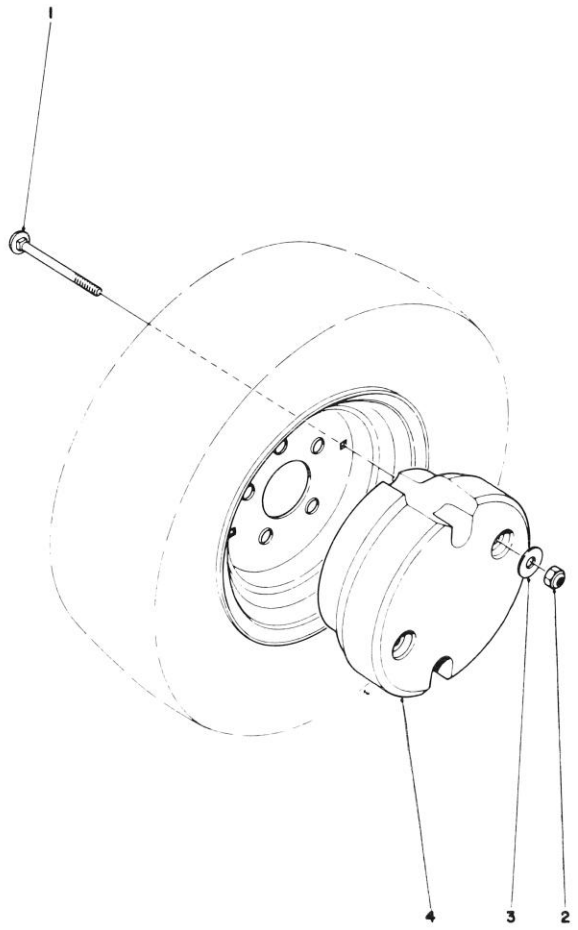


T-0404-89

WEIGHT BOX KIT NO. 62-6590

Ref. No.	Part No.	Description	No. Used
1	61-4130	Cover — Weight Box	1
2	32103-2	Nut — Wing	2
3	43-5110	Decal	1
4	325-7	Capscrew (GM-220, 322D & 327)	2
5	3296-25	Locknut (GM-220 Only)	4
5	3296-25	Locknut (GM-117, 217-D, 220 & 322D)	2
6	3253-7	Lockwasher (GM-117, 217-D & 327)	2

Ref. No.	Part No.	Description	No. Used
7	41-4090	Weight Box	1
8	325-5	Capscrew (GM-117, 217-D & 220)	4
9	61-4140	Bracket (GM-117, 217-D & & 220)	1
10	62-6710	Plate (GM-322D, 327)	2
11	2410-67	Plug	2



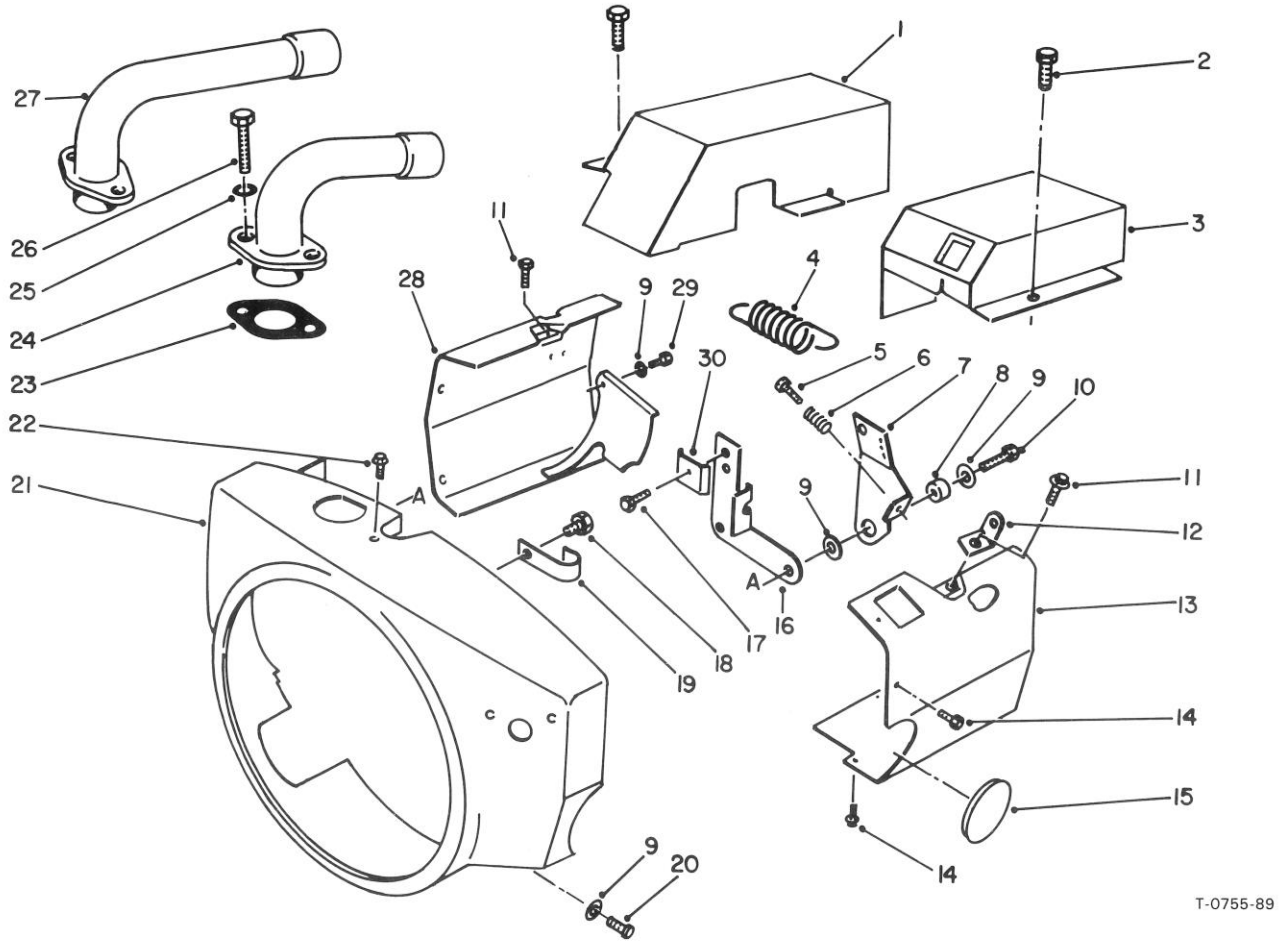
T-0635-89

WHEEL WEIGHT KIT MODEL NO. 30762 (Optional)

Ref. No.	Part No.	Description	No. Used
1	3231-24	Carriage Bolt	4
2	3296-26	Nut	4
3	3256-24	Washer	4
4†		Wheel Weight	2

†Order Replacement Kit Model No. 30762

ENGINE, ONAN MODEL NO. P220G, TYPE NO. I/10808C

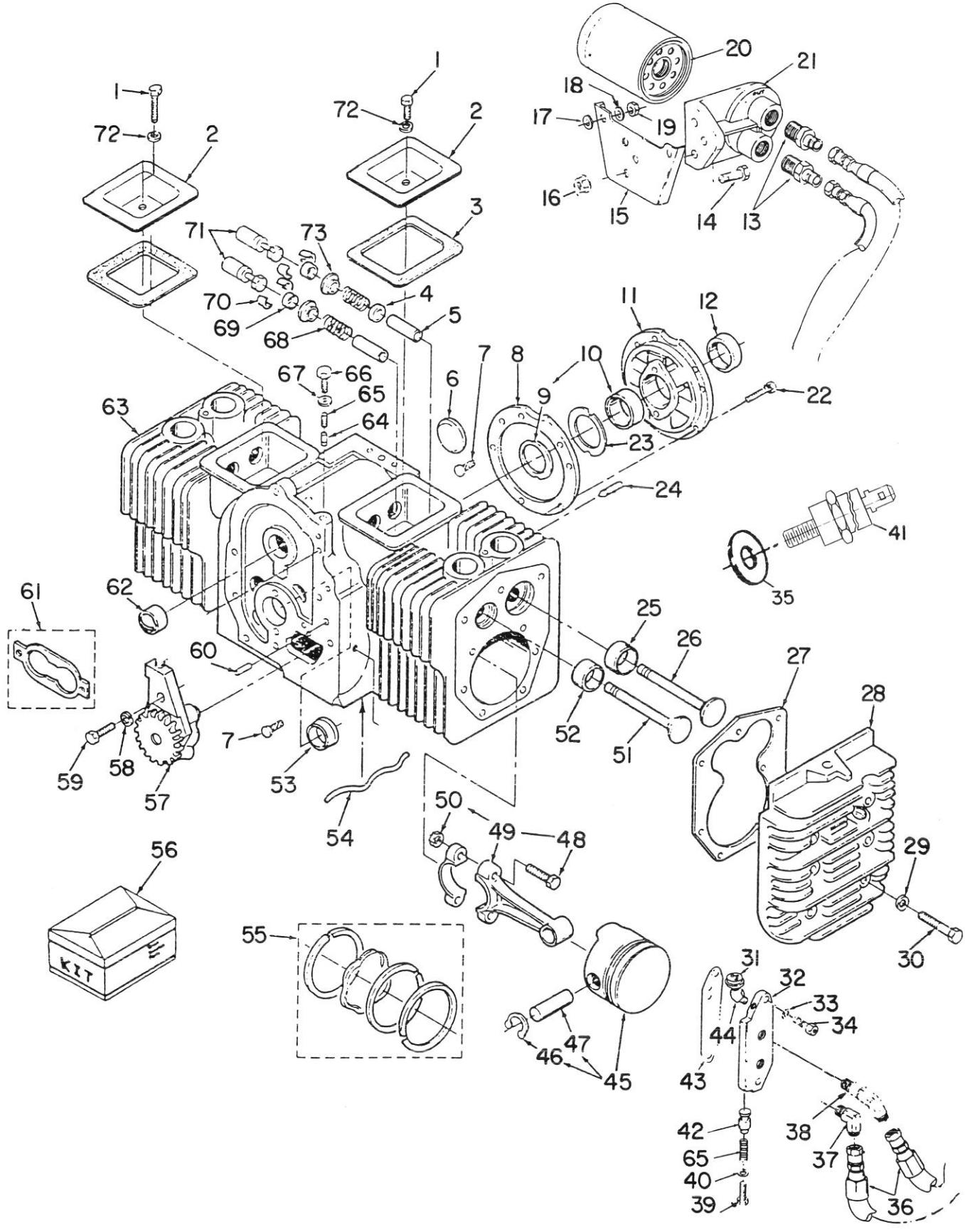


ENGINE AIR HOUSING

Ref. No.	Part No.	Description	No. Used
1	72-3970	Cover — Exhaust Tube L.H.	1
2	59-1090	Screw — Hex Washer Hd.	2
3	72-3980	Cover — Exhaust Tube R.H.	1
4	57-9100	Spring	1
5	59-1030	Screw — Tapping, Hex Hd.	1
6	59-0430	Spring — Idle Setting	1
7	57-9140	Arm — Governor Control	1
8	57-9120	Bushing	1
9	3256-1	Washer Flat	8
10	59-1010	Screw — Cap, Hex Washer Hd.	2
11	3234-5	Screw — Cap, Hex Washer Hd.	2
12	59-0630	Bracket — Lift	2
13	71-5940	Housing — R.H.	1
14	59-1080	Screw — Cap, Hex Washer Hd.	4
15	71-6150	Grommet — Air Seal	1
16	57-9150	Bracket — Cable	1
17	72-3900	Screw — Tapping, Hex Hd.	1

Ref. No.	Part No.	Description	No. Used
18	3234-13	Screw — Cap, Hex Washer Hd.	1
19	71-6220	Clip — Wire	1
20	59-0980	Screw — Tapping Hex Washer Hd.	4
21	71-5930	Housing — Blower	1
22	59-0970	Screw — Tapping, Hex Washer Hd.	2
23	57-9216	Gasket	2
24	57-9230	Outlet	1
25	3256-3	Washer — Flat	4
26	322-3	Screw — Cap, Hex Hd.	4
27	57-9240	Outlet	1
28	71-5910	Housing — L.H.	1
29	59-0980	Screw — Tapping, Hex Washer Hd.	2
30	57-9190	Clamp — Cable	1

ENGINE, ONAN MODEL NO. P220G, TYPE NO. I/10808C
CYLINDER BLOCK ASSEMBLY



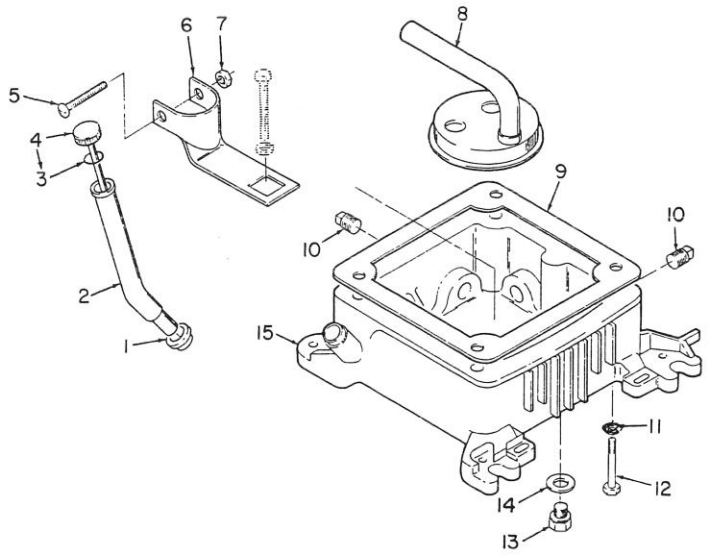
T-0752-89

ENGINE, ONAN MODEL NO. P220G, TYPE NO. I/10808C
CYLINDER BLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	321-10	Screw — Cap, Hex Hd.	2
2	71-5850	Cover — Valve	2
3	57-8280	Gasket — Valve Cover	2
4	71-6180	Seal — Valve, Intake	2
5	71-6250	Guide — Valve, Exhaust	2
5	71-6260	Guide — Valve, Intake	2
6	57-9690	Plug — Welch	1
7	59-0730	Pin — Drive	4
8	57-8010	Gasket	1
9	57-8160	Washer — Thrust	2
10	57-8050	Bearing — Crankcase Std. (Incl. Ref. #9)	1
10	59-0020	Bearing — Crankshaft .002" undersize (Incl. Ref. #9)	1
10	57-8060	Bearing — Crankshaft .010" undersize (Incl. Ref. #9)	1
10	59-0030	Bearing — Crankshaft .020" undersize (Incl. Ref. #9)	1
10	59-0040	Bearing — Crankshaft .030" undersize (Incl. Ref. #9)	1
11	57-8040	Plate — Bearing	1
12	57-9590	Seal — Oil	1
13	59-0660	Hose — Oil	2
14	322-4	Screw — Cap, Hex Hd.	3
15	59-0300	Bracket	1
16	59-1130	Nut	3
17	59-0840	Washer — Flat	2
18	59-0860	Washer — Flat	2
19	3217-4	Nut	2
20	57-8530	Filter — Oil	1
21	57-8540	Base — Filter	1
22	71-6240	Screw — Cap, Flange Hd.	5
23	57-8170	Shim	A/R
24	3247-4	Screw — Socket, Set	2
25	59-0050	Insert — Valve Seat Std.	2
25	59-0060	Insert — Valve Seat .002" oversize	2
25	59-0070	Insert — Valve Seat .005" oversize	2
25	59-0080	Insert — Valve Seat .010" oversize	2
25	59-0090	Insert — Valve Seat .025" oversize	2
26	71-5770	Valve — Intake	2
27	57-8830	Gasket	2
28	71-5820	Head — Cylinder R.H.	1
29	57-9770	Washer — Flat	18
30	71-6270	Screw — Cap, Hex Hd. (Special)	18
31	57-9490	Switch — Oil Pressure, Low	1
32	57-8510	Adapter — Filter, Oil	1
33	57-9750	Washer — Flat	2
34	3274-18	Screw — Cap, Socket Hd.	2
35	3256-1	Washer	1
36	57-9220	Hose — Oil	2
37	59-0670	Elbow — Male, From Filter	1
38	59-0680	Elbow — Male, To Filter	1
39	3211-27	Screw — Cap, Hex Hd.	1
40	57-9760	Washer — Flat	1
41	72-3960	Switch — High Temp. Cut-Off	1
42	57-8470	Valve — Bypass Plunger	1
43	57-8520	Gasket	1
44	59-0640	Elbow — Street 45°	1
45	57-8350	Piston — Std. (Incl. Ref. #46 & 47)	2
45	59-0190	Piston .005" oversize (Incl. Ref. #46 & 47)	2
45	57-8360	Piston .010" oversize (Incl. Ref. #46 & 47)	2
45	57-8370	Piston .020" oversize (Incl. Ref. #46 & 47)	2
45	59-0200	Piston .030" oversize (Incl. Ref. #46 & 47)	2
45	59-0210	Piston .040" oversize (Incl. Ref. #46 & 47)	2
46	57-9720	Ring — Retaining	4
47	71-6310	Pin — Piston	4
48	57-8410	Bolt (Special)	4
49	57-8420	Rod — Connecting Std. (Incl. Ref. #48 & 50)	2
49	57-8430	Rod — Connecting .010" undersize (Incl. Ref. #48 & 50)	2
49	57-8440	Rod — Connecting .020" undersize (Incl. Ref. #48 & 50)	2
49	59-0250	Rod — Connecting .030" undersize (Incl. Ref. #48 & 50)	2
50	57-9790	Nut — Hex Crown Lock	4
51	71-5780	Valve — Exhaust	2
52	59-0100	Insert — Valve Seat, Exhaust	2
53	57-8020	Bearing — Flanged, Std.	1
53	57-9360	Bearing — Flanged .002" undersize	1
53	57-8030	Bearing — Flanged .010" undersize	1
53	57-9800	Bearing — Flanged .020" undersize	1
53	59-0010	Bearing — Flanged .030" undersize	1
54	59-0290	Tube — Oil	1
55	57-8380	Ring Set — Piston, Std.	2
55	59-0220	Ring Set — Piston .005" oversize	2
55	57-8390	Ring Set — Piston .010" oversize	2
55	57-8400	Ring Set — Piston .020" oversize	2
55	59-0230	Ring Set — Piston .030" oversize	2
55	59-0240	Ring Set — Piston .040" oversize	2
56	71-6290	Kit — Gasket, Complete Engine	1
57	57-8480	Pump — Oil	1
58	3253-3	Washer	2
59	321-6	Screw — Cap, Hex Hd.	2
60	59-0750	Pin — Alignment	2
61	57-8460	Kit — Gasket, Oil Pump	1
62	57-8000	Bearing — Camshaft	2
63	71-5760	Block — Short	1
64	57-8470	Plunger — Bypass Valve	1
65	57-8500	Spring — Bypass Valve	2
66	59-0910	Screw — Cap, Hex Hd.	1
67	57-9760	Washer — Flat	1
68	71-5790	Spring —Valve	4
69	71-5830	Cap — Valve	4
70	71-5840	Lock — Valve Spring	8
71	57-8450	Tappet — Valve Std.	4
71	57-0260	Tappet — Valve 002" oversize	4
71	59-0270	Tappet — Valve .005" oversize	4
72	57-9740	Washer — Flat	2
73	71-5800	Washer — Valve Spring Retainer	4
*	71-6300	Kit — Valve Grinding	1

*Not Illustrated.

ENGINE, ONAN MODEL NO. P220G, TYPE NO. I/10808C



T-0753-89

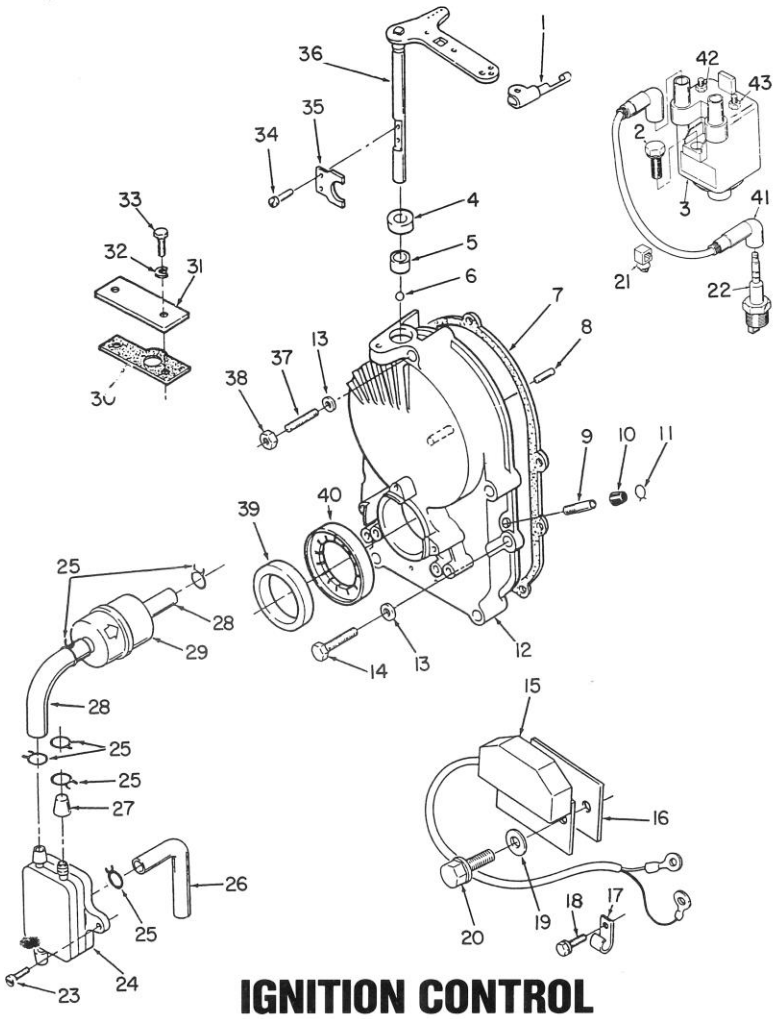
OIL BASE & FUEL PUMP

Ref. No.	Part No.	Description	No. Used
1	71-6170	Seal	1
2	71-5860	Tube — Oil Fill	1
3	57-9610	O-Ring	1
4	71-5880	Cap (Includes Ref. #3)	1
5	3250-23	Screw — Pan Hd.	1
6	71-5870	Bracket	1
7	3290-277	Nut — Speed	1
8	57-8490	Cup — Intake	1

Ref. No.	Part No.	Description	No. Used
9	57-8090	Gasket	1
10	281-2	Plug	2
11	3253-5	Washer	4
12	323-42	Screw — Cap, Hex Hd.	4
13	57-8080	Plug	1
14	57-8070	Gasket	1
15	71-5730	Base (Includes Items Ref. #9, 10, 13 & 14)	1

*Not Illustrated.

ENGINE, ONAN MODEL NO. P220G, TYPE NO. I/10808C



T-0754-89

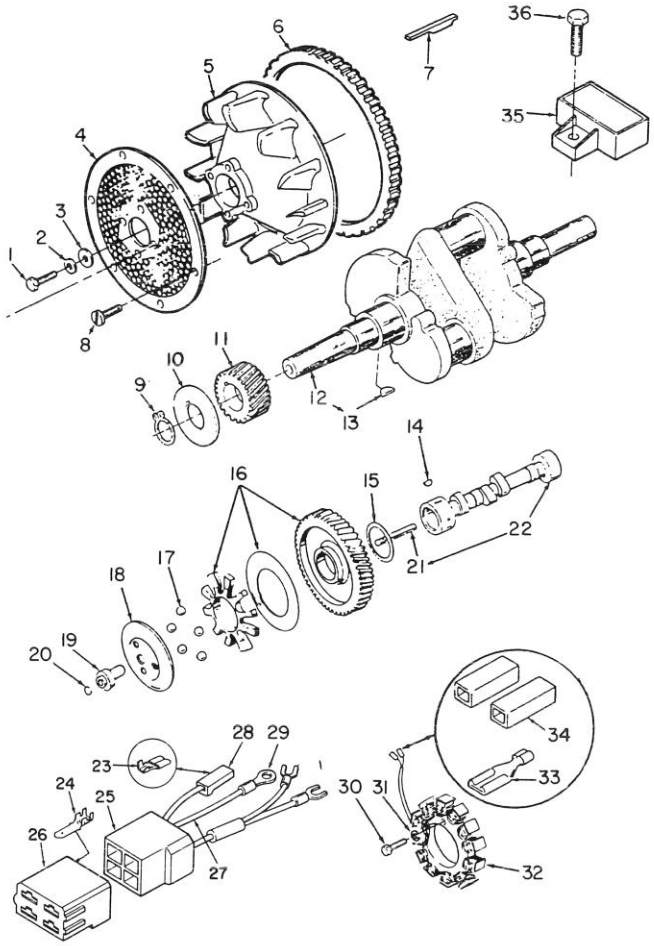
IGNITION CONTROL

Ref. No.	Part No.	Description	No. Used
1	57-9730	Clip — Retaining	1
2	71-6460	Screw — Cap, Hex Washer Hd.	2
3	71-6000	Coil	1
4	57-9570	Seal — Oil	1
5	57-9650	Bearing	1
6	57-9630	Ball — Bearing	1
7	71-6360	Gasket	1
8	59-0740	Pin — Dowel	1
9	59-0360	Tube — Vacuum Port	1
10	59-0370	Cap — Vacuum Port	1
11	57-9550	Clamp	1
12	71-6350	Gearcase Kit (Includes Ref. #4-6, 8-11, 26, & 34-36)	1
13	57-9750	Washer — Flat	5
14	322-9	Screw — Cap, Hex Hd.	4
15	71-6380	Control — Ignition	1
16	71-6410	Insulator	1
17	71-6220	Clip — Wire	2
18	71-6450	Screw — Cap, Hex Washer Hd.	1
19	3254-1	Washer — Lock	2
20	71-6400	Screw — Cap, Hex Washer Hd.	2
21	71-6060	Clip	1

Ref. No.	Part No.	Description	No. Used
22	57-9340	Plug — Spark	2
23	59-1050	Screw — Tapping, Pan Hd.	2
24	57-9080	Pump — Fuel	1
25	57-9550	Clamp	7
26	59-0700	Line — Pulse	1
27	59-0370	Cap — Fuel Fitting	1
28	59-0710	Hose	1
29	71-5960	Filter Fuel	1
30	57-9260	Gasket — Plate	1
31	71-5990	Plate — Ignition Plunger Cover	1
32	3256-1	Washer — Flat	2
33	321-3	Screw — Cap, Hex Hd.	2
34	3250-16	Screw — Machine, Pan Hd.	2
35	59-0420	Yoke	1
36	59-0440	Shaft	1
37	59-0790	Stud	1
38	3217-6	Nut	1
39	59-9580	Seal — Oil	1
40	71-6010	Rotor — Ignition	1
41	71-6420	Cable Plug 9" Long	1
42	71-6440	Nut Flange	1
43	71-6430	Nut Flange	1
*	71-6020	Cable Plug 18.5" Long	1

*Not Illustrated

ENGINE, ONAN MODEL NO. P220G, TYPE NO. I/10808C



T-0756-89

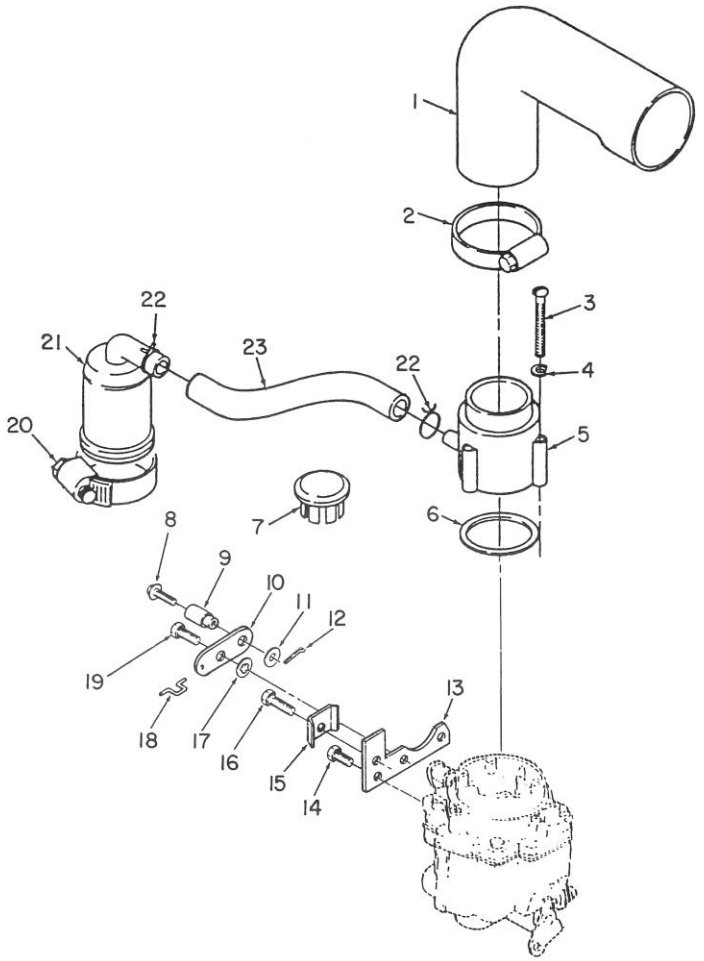
BLOWER, CRANKSHAFT, CAMSHAFT

Ref. No.	Part No.	Description	No. Used
1	57-8150	Screw — Cap, Hex Hd. (Special)	1
2	3253-6	Washer	1
3	59-0810	Washer	1
4	71-5900	Screw — Air Inlet	1
5	71-5290	Flywheel (Includes Ref. #6)	1
6	57-8180	Gear — Ring	1
7	71-6190	Key — Flywheel	1
8	71-6340	Screw — Flange Hd.	6
9	57-9710	Ring — Retaining	1
10	57-8140	Washer — (Special)	1
11	57-8130	Gear — Crankshaft	1
12	71-5750	Crankshaft (Incl. Ref. #13)	1
13	57-9660	Key — Gear	1
14	59-9660	Key — Woodruff	1
15	57-8230	Washer	1
16	57-8210	Gear	1
17	57-9640	Ball — Governor	5
18	59-0450	Cup — Governor	1

Ref. No.	Part No.	Description	No. Used
19	57-9130	Hub — Governor Cup	1
20	57-9090	Ring — Retaining	1
21	57-0400	Pin	1
22	71-6320	Camshaft (Incl. Ref. #21)	1
23	72-4000	Terminal — Receptacle	5
24	72-4040	Terminal — Tab	4
25	72-4010	Housing — Receptacle	1
26	72-4020	Housing — Tab	1
27	71-6070	Harness — Wiring	1
28	72-4030	Housing	1
29	72-3990	Terminal — Ring	1
30	71-6390	Screw — Machine, Hex Hd.	3
31	3253-2	Washer — Lock	3
32	57-9440	Stator	1
33	59-0590	Terminal	3
34	71-6370	Body — Terminal	2
*	71-6230	Connector, Harness — Kit (Incl. Ref. #24, 26)	1

*Not Illustrated

ENGINE, ONAN MODEL NO. P220G, TYPE NO. I/10808C



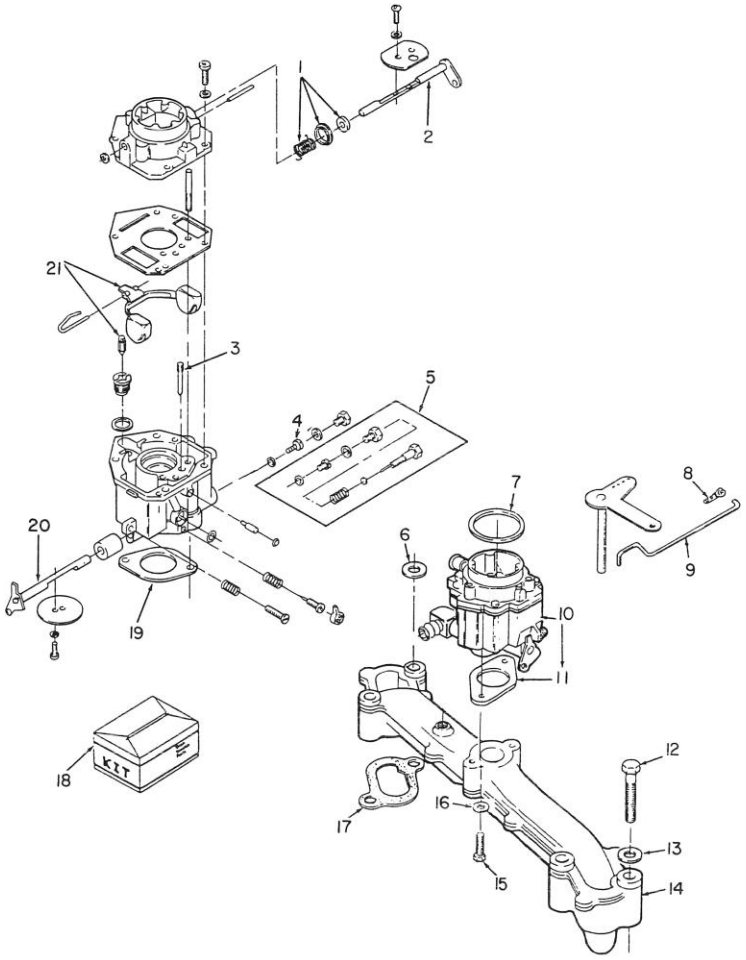
T-0770-89

REMOTE AIR CLEANER & CHOKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	57-8800	Elbow — Air Inlet	1
2	59-0690	Clamp	2
3	59-0940	Screw — Machine, Round Hd.	3
4	3253-2	Washer — Lock	3
5	57-8720	Adapter — Carburetor	1
6	57-9620	Seal	1
7	71-6210	Plug — Dot, Button	1
8	72-3890	Screw — Machine, Hex Hd.	1
9	57-9170	Swivel	1
10	59-0460	Lever — Choke	1
11	59-0580	Washer — Flat	2
12	59-0720	Pin — Cotter	1

Ref. No.	Part No.	Description	No. Used
13	59-0470	Bracket	1
14	72-3880	Screw — Cap, Hex Washer Hd.	1
15	57-9190	Clip	1
16	72-3900	Screw — Tapping, Slotted Hex Washer Hd.	1
17	3254-1	Washer — Lock	1
18	57-9180	Link — Choke	1
19	59-1020	Screw — Shoulder	1
20	57-9530	Clamp	1
21	71-5890	Tube — Breather	1
22	57-9540	Clamp	2
23	71-6130	Hose — Breather	1

ENGINE, ONAN MODEL NO. P220G, TYPE NO. I/10808C



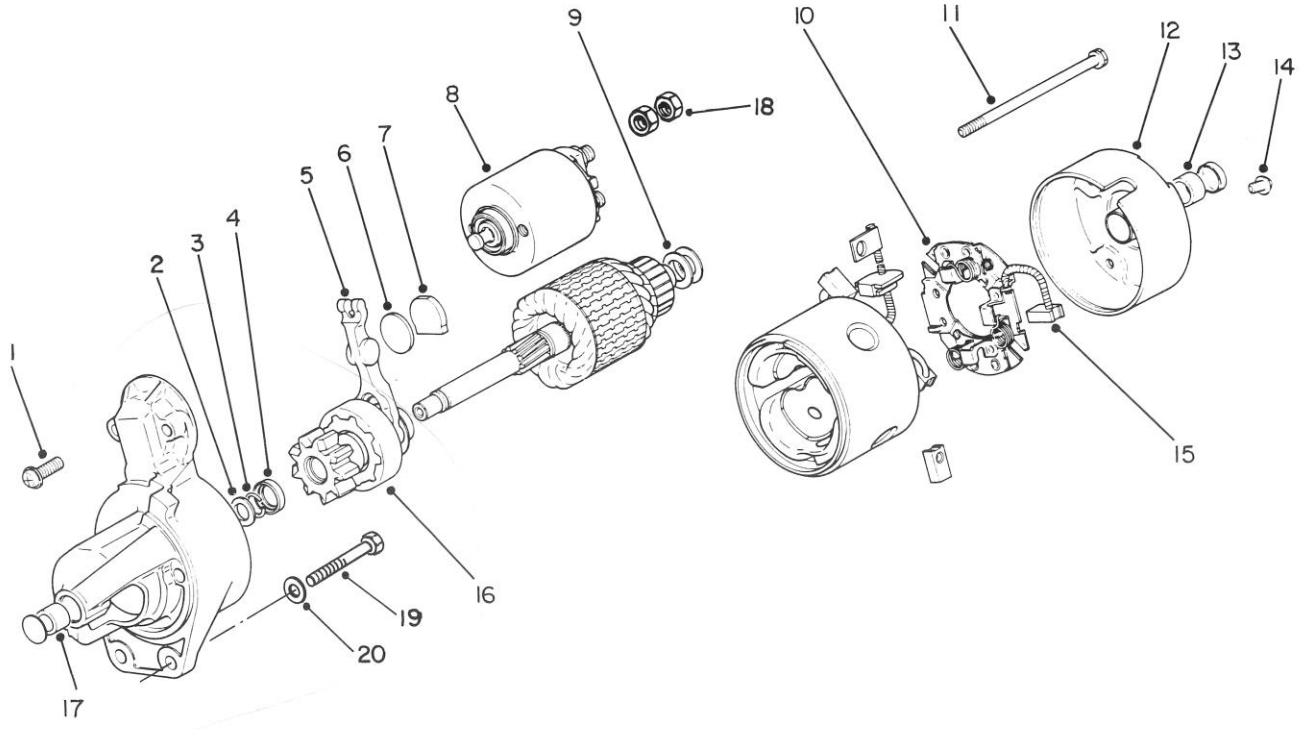
T-0771-89

CARBURETOR & FUEL SYSTEM

Ref. No.	Part No.	Description	No. Used
1	72-3870	Lever — Choke Kit	1
2	72-3860	Shaft — Choke	1
3	62-2820	Jet — Idle	1
4	57-9050	Jet — Power	1
5	57-8950	Kit — Variable Jet	1
6	3256-23	Washer — Flat	1
7	57-9620	O-Ring	1
8	57-9700	Clip	1
9	57-9160	Rod — Governor Control	1
10	62-2790	Carburetor — Complete	1
11	57-9200	Gasket	1

Ref. No.	Part No.	Description	No. Used
12	322-10	Screw — Cap, Hex Hd.	4
13	3256-23	Washer	4
14	71-6480	Manifold — Intake	1
15	322-9	Screw — Cap, Hex Hd.	2
16	3256-1	Washer	2
17	71-6330	Gasket	2
18	62-2810	Kit — Float, Repair	1
19	57-9200	Gasket	1
20	57-8920	Shaft — Throttle	1
21	62-2800	Kit — Float	1

ENGINE, ONAN MODEL NO. P220G, TYPE NO. I/10808C



T-0774-89

STARTER

Ref. No.	Part No.	Description	No. Used
1	62-2760	Kit — Hardware (Incl. Item #2-4, 9, 11 & 14)	1
2		Washer	1
3		Ring — Pinion Retainer	1
4		Collar — Pinion Stop	1
5	62-2770	Kit — Shift Lever (Incl. Item #6 & 7)	1
6		Plate — Wear	1
7		Plug — Rubber	1
8	72-3930	Kit — Solenoid	1
9		Shim — Armature	2
10	62-2750	Holder — Brush Assy. (Incl. in ea. brush)	2

Ref. No.	Part No.	Description	No. Used
11		Bolt	2
12	62-2730	Kit — Bushing (Incl. Item #13)	1
13		Bushing	1
14		Screw — Brush Holder	2
15	62-2740	Kit — Brush (Incl. 2 neg. & 1 pos. brushes)	1
16		Starter Clutch Assy.	1
17	62-2730	Kit — Bushing	1
18	57-6390	Nut — Jam	1
19	322-22	Screw — Cap, Hex Hd.	2
20	59-9770	Washer — Flat	2
*	71-6040	Starter — Solenoid Shift	1

*Not Illustrated.

PRODUCT CHANGES

In an effort to make improvements available to TORO owners as quickly as possible, minor changes are incorporated into Toro's products from time to time that do not become immediately shown in the Parts Catalog. If such a change apparently has been made in your unit, which is not reflected in your manual, see your TORO Distributor for information and part numbers.

IDENTIFICATION AND ORDERING

Model and Serial Numbers

The Groundsmaster 220D has two identification numbers: a model number and a serial number. The two numbers are stamped on a plate which is located on the right hand side seat cover support. In any correspondence concerning the Groundsmaster 220D, supply model and serial numbers to assure that correct information and replacement parts are obtained.

To order replacement parts from an Authorized TORO Distributor, supply the following information.

1. Model and serial number of the Groundsmaster 220D.
2. Part number, description, and quantity of part(s) desired.

NOTE: Do not order by reference number if a parts catalog is being used; use the PART NUMBER.

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